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agatcaacgg agaggcccag ccgtggctgt ccacatccac agagggggtc aagatcccca 180  
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agaacctgtc	ccaaatttaa	tataataaat	tttaaataaa	attttaaaaa	taamatrra	180
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<212> DNA

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<211> 282

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tgatttattt	tcctttggat	atatacccag	taatgcaatt	gctgagtga	atggtngttc	180
aaatcttggg	tgtttgagaa	atctccaaag	tgctctactc	aatggctaaa	ttaatttaca	240
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<211> 105

<212> DNA

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<212> DNA

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105

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actcagaata ctgggataga gttatgcatt aagagtggga cgataggaca ttatgcaaac 180  
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aatttttaaa agtgattttt gtgggagctt agactttctt ctgacctct cctgcccac 180  
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<213> Homo sapiens

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157

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cagatttcac gcaa 134

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 acccacat 368

<210> 16655  
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<400> 16655

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tctaattgtag cgcagtattg cactcccggc tgcg 94

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<212> DNA  
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<212> DNA  
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atggttcttt tatgagtact gacacaagga ctccaggcca cacatatctt cttgaaagcc 180  
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<210> 16661  
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<213> Homo sapiens

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tcgtgttcgc tacgtttcct ctggaattag cccacactg 90

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<212> DNA  
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cggggggaga ttctgctcac ggaactgcag 90

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caaagtattg ttctggggg 199

<210> 16665  
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<210> 16667

<211> 59  
 <212> DNA  
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<400> 16667  
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<210> 16668  
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 agcacttttg gaggccgagg tgggcagatc rsgaggtcaa gagatggaga ccatcctggc 240  
 caacatggtg aaacctgtct ctattaaaaa tacaaaaatt agcgtggggg tgcgtgcctg 300  
 taatcccagc tactcggggg sm 322

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 <213> Homo sapiens

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 cagcactgac ctggtctggg acgtggggag aaggtagcat ggggcgcaag ttggacccta 180  
 cgaaggagaa gcgggggcca ggccgaaagg cccggaagca gaagggtgcc gagacagaac 240  
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<210> 16671  
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<212> DNA

<213> Homo sapiens

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<210> 16673

<211> 226

<212> DNA

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tgctacaccc acttcttggc tgacacactt ctgctctaag gtgactggtt ttcttgccaa	180
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<210> 16674

<211> 97

<212> DNA

<213> Homo sapiens

<400> 16674

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<210> 16675

<211> 124

<212> DNA

<213> Homo sapiens

<400> 16675

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cacttaaaat gttcatatga taggaaaata atccttccca aaggagttgt gtgttcccaa	120
gatt	124

<210> 16676

<211> 120

<212> DNA

<213> Homo sapiens

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<210> 16677

<211> 84

<212> DNA

<213> Homo sapiens

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84

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cacaggtctt 190

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actcggc 127

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cagcattggc cggc 134

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tt 122

<210> 16683  
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<212> DNA  
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agacaggggtt ttgccatggt ggtctggctg gtctcgagct cctgacctca ggtgatccgc 180  
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tgatgacttt	atctccatta	ctaccaatth	aatttgctgt	gggggtgtaa	tgccacctta	180
tgtggcattc	catatgtcct	ttggcactcc	aatgacagat	acttcctttg	cattggatat	240
ctttggggat	aggctttaag	acccacaagt	tctatggttt	ctaggatgaa	actccatact	300
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<210> 16699

<211> 323

<212> DNA

<213> Homo sapiens

<400> 16699

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caattttaca	aactggaggg	tctggccggg	tgcggtggct	caagcctgtr	atcccagcac	180
tttgggaggg	cgagacaggt	ggatcacgag	gtcaggagtk	cgagaccagc	ctggccaaga	240
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<210> 16700

<211> 165

<212> DNA

<213> Homo sapiens

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<210> 16701

<211> 162

<212> DNA

<213> Homo sapiens

<400> 16701

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<210> 16702

<211> 118

<212> DNA

<213> Homo sapiens

<400> 16702

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<213> Homo sapiens

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caacatcaca gcatgcattg aagtccagtt tcatcaaaaa tcacagcttt atttttaacc 180  
gatgaacttg gtatttggtt tatccaaata ctccaagtat taattcaacc agatctttct 240  
cattgectca aacaatctta ttccaaactg aaactgtaat tcatgtgccca aaaacatttt 300  
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ggaatcagaa atatgaacag ctttatgttc agatcwtat ca 402

<210> 16706  
<211> 147  
<212> DNA  
<213> Homo sapiens

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<212> DNA  
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gcaggcgaac cgtggcaccg agagcaagaa aatgagctct gagctcttca ccctgacct 180  
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gctggacaaa atgggcttc 259

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kggattggta	atgctctttc	ctcaaagcac	aatacagatt	tatcatgctt	ttcctttggg	180
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ggaactttgt	tcgaagtatt	tcctcgttta	agaaaccacc	ttaaataaat	ctatcttgtg	360
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&lt;210&gt; 16709

&lt;211&gt; 207

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 16709

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attcaatttt	agaacatttt	cctcaccagc	aaaaaaaaacc	ctgtagcctg	tagcgggttaa	180
cctcttccca	tttattccca	ccagcca				207

&lt;210&gt; 16710

&lt;211&gt; 231

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 16710

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cagcatgcca	gacccctaaa	tcaggacctg	gggaggagcc	atggagttaa	catttcagac	180
tgagtgggtg	cgagaaaacg	caaagggaaa	gacttgaaac	tctagcaacc	a	231

&lt;210&gt; 16711

&lt;211&gt; 180

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 16711

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accacaggtg	tgagccactg	tatctggcca	aaaaaatttt	ttattttttg	tagagacagg	120
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&lt;210&gt; 16712

&lt;211&gt; 69

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 16712

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&lt;210&gt; 16713

&lt;211&gt; 213

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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 <213> Homo sapiens

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<210> 16716  
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 <213> Homo sapiens

<400> 16716  
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 aaggggg 187

<210> 16717  
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<400> 16717  
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<210> 16718  
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<400> 16718  
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 tgggcgtcca tgggtctgct gcgctgacag ggctgwrage agccggcctt ccgctctcac 180



cagkkccgcg tcggaataga cggtcact

208

<210> 16719

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<212> DNA

<213> Homo sapiens

<400> 16719

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gtaggggagg	tggtgagagg	ttggagttsa	takgaggggg	cgcggttg	aagggttgaa	180
tggaacagg	ataggsagt	gatggtgtg	cttgggggys	cgttcatgg	cgtggtttg	240
cggggtccag	ctgggcccc	acttcggtac	tccccctcct	tcccaggtcc	tccagccctt	300
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<210> 16720

<211> 145

<212> DNA

<213> Homo sapiens

<400> 16720

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<210> 16721

<211> 436

<212> DNA

<213> Homo sapiens

<400> 16721

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cattccaagt	tatcagaaaa	tcctcacagg	tggtttgtca	tgcacstgca	aaaaaaaaaa	180
attgtatgga	tggcagcagt	ascgctgaaa	ttctccatga	aaattggatt	ctctctyccc	240
kgaacttaaa	caaatgcyca	ttkgtaaaact	atatagctcc	acaactattc	tctaaagrgg	300
adtcagttat	catcccccta	agtaaacttt	ttttctgtgg	ccgtwaggta	aatacsgtcc	360
tkggacttaw	kgagtacatg	kgtttgtwaa	tgtycggctc	tgagcgggag	agcatggcat	420
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<211> 184

<212> DNA

<213> Homo sapiens

<400> 16722

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tttttttggt	tttttttttt	ggtttttggt	ttgtttttcc	tcttttaagg	gatagtagca	180
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<211> 339

<212> DNA

<213> Homo sapiens

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gtctgcttta	caagaagggc	ccaggtcacc	ttagcaatca	cgtcgcttct	gaccgaggct	180
ttcttgtgta	actgggcttc	tctgtctcct	ttaaactctc	acattgggtg	tgagcttccc	240
tgtttgtgta	tctgggcacc	ttccatctcc	cctgggctcc	cctcacctcc	gtgaagccac	300
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<210> 16724

<211> 181

<212> DNA

<213> Homo sapiens

<400> 16724

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gcctcccaag	acgcctggga	agagcagtgg	aaccaggagg	agcacgaaca	gcaaagagga	180
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<210> 16725

<211> 162

<212> DNA

<213> Homo sapiens

<400> 16725

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gagagcaaaa	cagggtcggg	gatggaatga	gaaacagagg	ct		162

<210> 16726

<211> 292

<212> DNA

<213> Homo sapiens

<400> 16726

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ctctacaaaa	agttttaaaa	ccagggtatg	tggtgccctc	ctgtgggtccc	agctactcgg	180
gagtctgagg	tgggaggacc	acctgagccc	aggagactga	ggctgcagta	agggtgtgatt	240
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<210> 16727

<211> 204

<212> DNA

<213> Homo sapiens

<400> 16727

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taagcggact	tatttccatc	cggagtgaca	gaatttaatt	ccaaaccgag	agctttccag	180
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gagtgaccag gctcacctgg gagagagggg gagaagagga cctgggtttct agcatgtgga 180  
ggtgggggtgg gggagaaggc agagcaaggg agacta 216

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<212> DNA  
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ttaaactca aagaaatgca agaagttatt atcacaggat agaaattacc ccagt 115

<210> 16730  
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<212> DNA  
<213> Homo sapiens

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<210> 16731  
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<212> DNA  
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cctgtgttgg ctccatcatc aa 382

<210> 16732  
<211> 285  
<212> DNA  
<213> Homo sapiens

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aaaagtgcag gcagattggt tttcttcctt aaatgtaagc tgaacagctt aggggtcagc 240  
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 taacagaata aaaggtgaaa atgccctttt aaatctcctg ctctggcc 168

<210> 16734  
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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<210> 16738  
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 <212> DNA  
 <213> Homo sapiens

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 <213> Homo sapiens

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 aaaaataaat tttggacatc tgtagcaaga cactgtgcta gct 163

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tggcaaagtc	agctagccag	tggaccctt	ctctccctcc	aaacttcgca	ctccacacct	180
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t						241

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atgtgagacc	agcctgagca	atagggagac	ctcatctcta	caaaaaataa	acaaaatcag	180
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<211> 96

<212> DNA

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<212> DNA

<213> Homo sapiens

<400> 16755

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ttattttcat	tatctcagca	caaggaatgc	ggtaggagag	cagggtgata	ataaggagaa	180
ggtcagcaaa	aaaacatgtg	agcwwaggaa	tctgtgtcat	acttaagtcc	aaagggaggt	240
actatgcctg	gatgtgcacg	taggccagat	ttatgtttcc	ctccgcccac	acatctgtgg	300
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<211> 441

<212> DNA

<213> Homo sapiens

<400> 16756

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cggaggcgcg	ggctcggggc	gcctgcggga	cggtagggcc	ctgctgagga	ctccggacac	180
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<211> 143

<212> DNA

<213> Homo sapiens

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**SECRET**

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 cacttgaact cgggaggcag aggttgcatg gagccaagat tgcactattg cactccagcc 180  
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ctcttcggat	gtcttctaga	catttactat	cactgcacct	gaagaaaaaa	tcacttttnr	300
bgnccataatt	taaaaagvcm	arrcagaaat	gtacgttcct	tcgctagctt	tagtctttct	360
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<210> 16768

<211> 218

<212> DNA

<213> Homo sapiens

<400> 16768

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gctgggttagg	ggaggtggga	tagaggaaga	gagcagttag	tttggttttc	ctcttttagcc	180
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<210> 16769

<211> 137

<212> DNA

<213> Homo sapiens

<400> 16769

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<211> 298

<212> DNA

<213> Homo sapiens

<400> 16770

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gaggaatgtc	attacacagc	ttttaacagt	tttcttcaag	tttgtcctga	aatagggtca	180
cagttaatac	tattcagtag	aagataggac	cctagagctt	caatacagcg	ttctgtgttt	240
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<210> 16771

<211> 86

<212> DNA

<213> Homo sapiens

<400> 16771

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<210> 16772

<211> 357

<212> DNA

<213> Homo sapiens



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 acaatatcaa gggcgc 196

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 agaaataatg gtaactacca tttgtgtatc agaacaattt tcacatatct aatttttata 180  
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atgta						125

&lt;210&gt; 16788

&lt;211&gt; 240

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 16788

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ccctcgggcg	cccaggagaa	gcagttcctg	ccggcgctgc	tgagtttctt	catctacaac	180
ccgcgcttct	ggccgcggga	aggagaggta	tgcgaggggg	gcggcgcgctg	assggnccag	240

&lt;210&gt; 16789

&lt;211&gt; 166

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 16789

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gactgggttt	tgcttttctg	cccagccttg	tggggccggg	acggaagaac	ccatcaaagc	120
ccttctctcc	gccgcctctc	cggaatgagg	tctcagcacc	cgctcg		166

&lt;210&gt; 16790

&lt;211&gt; 464

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 16790

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gtaaataaaa	tcagcatcta	aaacaaactt	gaattgtgat	gatcaagaaa	aaaaatgttt	120
accttgcaaa	gaaatacaga	tctgccact	gtcatgagac	agtggcttcc	cattagctct	180
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agaggtcacc	ttctcagggc	gacctgccct	ggtgatgcta	tccagcattg	cagtsmccac	420
cccccaacct	ggcatgcccc	aacttccttw	ccttcttaac	ttct		464

&lt;210&gt; 16791

&lt;211&gt; 187

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 16791

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tttagaggct	aacagattcc	ttggcttggt	tctcgcttcc	ttcatcttca	aagtcagcaa	120
tggcagatta	aatccttgct	atgctgcaac	tctttttttt	gcttccctct	tccacttttt	180
ttttttt						187

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 ccaatcacag cagtacaaac cactccttgg cagaagtgtg cttctaaaag aatggggcag 240  
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 aaggttaaca ctgccat 377

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 ctttgagtga ccacggcttg caagctggtg gctggccccc cgagtcccgg gctctgaggc 180  
 acggccgctg acttaagcgt tgcatectgt tacctggaga ccctctgagc tctcacctgc 240  
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 gaacagcacc ggcccggaca acgcgacg 328

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 gacagcaagt tatatatcca gatatccatt caggagtagc atccatcccc tcaggacctt 180  
 tggcattact aggggtgttg attaggtaat gtccaaagtt tggttttaag ggggtggggaa 240  
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 tgt 303

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 gtttatgtaa gtacactcta tgatgatctc acaactatga aatcacctaa caacacawtt 360  
 cacaggatgt gtgcctggca ttaagcagca catgactata ttgct 405

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<211> 166  
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<400> 16797  
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 agagtgcagt gacgctatct cggctcacta taacctccac cttgcagggt caagcgattc 180  
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 <212> DNA  
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 ctttaatat ctgtgactgt tcttttttta cagcatcatg ttcttgtttc atagatataa 180  
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<212> DNA

<213> Homo sapiens

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cttttgcact agagtgcct tgagaaagac actgattaat ccgatctgct gccttagttc	180
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<211> 109

<212> DNA

<213> Homo sapiens

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<210> 16803

<211> 100

<212> DNA

<213> Homo sapiens

<400> 16803

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<211> 302

<212> DNA

<213> Homo sapiens

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ttacataggt atacatgtgc catggtggtt tgctgcaccc atcaaccctg catctaggtt	240
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<212> DNA

<213> Homo sapiens

<400> 16805

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<212> DNA

<213> Homo sapiens

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 gatcctcctg ccttggcctc tcaaagtgtt ggcattacag gcatgcacca ccatgctcag 180  
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 aagaaatttc atacagggt tg 262

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 atcatttttc taatggttat tagactaata atgtgttagt ccgttttcat gctgctgatg 300  
 aggacatagc ctgagac 317

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<212> DNA  
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 ctgtaatcca actactagga aggctgagga atgagaatag cttgaacca ggaggcagag 240  
 gttgctgtga gctgaaattg caccactgca ctccagcctg ggcaacagag tgatattcca 300  
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<210> 16816  
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 cctcttagaa tatcattaaa acttggtatc tcaactatgg tctgaccat acatccccgt 180  
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<210> 16817  
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<400> 16817  
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 tccctcttgc cctgaacctc ccagcctcc catttctgg cggtgcgcg ggggcggccc 180  
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<210> 16818  
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 <212> DNA  
 <213> Homo sapiens

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 ttgcttagct tttccccgca aa 142

<210> 16819  
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 <212> DNA  
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 taattattat tgctaccata tggataacag tgtgaccagt tgtttttatt ttccatgtga 180  
 atgtgatagc aatcagggat ccacagatc 209

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caagartagg aggaggattg cttgagccca ggagttcaag gctgcagcaa gctttgattg 180  
cgccactgca ctccagcctt ggcgacagag caagaccctg tctcaaaaac aaacaaacaa 240  
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gtggtatata cgtactatga ccttgaraag gaaggaaatt ctg 343

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<212> DNA  
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tgtcttccaa taaagtattc catggccaaa atttgtgtga aattctcttc ggttggt 177

<210> 16822  
<211> 170  
<212> DNA  
<213> Homo sapiens

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ggcaggagaa tcaattgaac tcgggaggca gaggttacgg tgagccgaga tcgcgccatt 120  
gcactccagc ctgagcaaca agagtgaagc tccatctcaa aaaaaaaaaa 170

<210> 16823  
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<212> DNA  
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tatatttagt taaataaagt tagcctgtca ct 92

<210> 16824  
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ctattcctcc cccaa 135

<210> 16825

<211> 109  
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<400> 16825  
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<210> 16826  
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<400> 16826  
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 ggtggagctt tttcttttga aaatatatat tcacaatttt aatatittta tttatttttt 180  
 actatttaac cctgtacttg gcaatgctca ggcagctt 218

<210> 16827  
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 aggacagtgt gagattacat cacactacac agaactgtgt gcaatttaaa aggtttgaat 180  
 tgtttatttt tggaattttc gatttaatat tttcagacca tagttgacta ggtaattgaa 240  
 acctcagaaa gcgaaactgc ggatgagg 268

<210> 16828  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 16828  
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 aattcatttg ccagcttcc ctcatataat tatacctgat cataaccaa gagttgatga 120  
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<210> 16829  
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 tcgaaattca cagaactgta cactagaggg tacgttttac tatatattaa ttatactgta 180  
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<210> 16830  
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<212> DNA

<213> Homo sapiens

<400> 16830

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gggaggcaga	ggttgtagtg	agcmgagatc	acgctactgc	actccaacct	gggtgacaga	180
gcgagaccgt	gtctcaaaaa	aacaaaacaa	aacaaaacaa	aaagtctggg	agcgggtggct	240
cacgcctgtg	atcccagcac	tttcggaggc	caaggcagga	ggatcacctg	aggtcaggag	300
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<210> 16831

<211> 159

<212> DNA

<213> Homo sapiens

<400> 16831

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taaatccttt	ggggagcgat	gttttgaatt	tagtgagatt	taccagggat	gtagattaag	120
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<211> 212

<212> DNA

<213> Homo sapiens

<400> 16832

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dttgctctgt	ctcctaggct	ggagtgggat	ggcgtgatct	cagctcactg	caacctccgc	120
ctcccaggta	caagttatyc	tcatgcctca	gcctcccaag	tagcttggat	cacaggcatc	180
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<210> 16833

<211> 213

<212> DNA

<213> Homo sapiens

<400> 16833

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tgggtaggaa	aaaacaaaca	aattataata	agaaaatact	gcatttagat	gatctgttaa	180
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<210> 16834

<211> 173

<212> DNA

<213> Homo sapiens

<400> 16834

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<211> 84  
<212> DNA  
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<211> 175  
<212> DNA  
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mamaccaggc ctagaatctt ttatgagaag tctagggta ggatgatctg cctgc 175

<210> 16837  
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caaatgttga ccaaaacagg agttcaaate cactgttttt ttttttttt tttttt 176

<210> 16838  
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<212> DNA  
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aatcagtggg tgatactttg gaggattgac aggtttgaca actgagaggg gcctgggaag 180  
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acagatgcag gtctggagct caggangag gtcagagctg aacttgacat catcaatata 360  
gaactaatca ttgaagccat agtatggcat cattggga 398

<210> 16839  
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tgcatttgct catcttagta tttgttttct gtgctgttga tgttctcaat tgtttgatta 180  
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379

<210> 16840

<211> 156

<212> DNA

<213> Homo sapiens

<400> 16840

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ccctgccgct	gccattgtgc	agtcaggcca	gcacaggagt	caatatggtt	ccttggctga	120
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<210> 16841

<211> 148

<212> DNA

<213> Homo sapiens

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<210> 16842

<211> 154

<212> DNA

<213> Homo sapiens

<400> 16842

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<210> 16843

<211> 84

<212> DNA

<213> Homo sapiens

<400> 16843

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<210> 16844

<211> 178

<212> DNA

<213> Homo sapiens

<400> 16844

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<210> 16845

<211> 159

<212> DNA

<213> Homo sapiens

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<210> 16846

<211> 176

<212> DNA

<213> Homo sapiens

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<210> 16847

<211> 171

<212> DNA

<213> Homo sapiens

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<210> 16848

<211> 143

<212> DNA

<213> Homo sapiens

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 tagagtgtaa tgcttaatgc cca 143

<210> 16849

<211> 97

<212> DNA

<213> Homo sapiens

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<210> 16850

<211> 150

<212> DNA

<213> Homo sapiens

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150

<210> 16851

<211> 315

<212> DNA

<213> Homo sapiens

<400> 16851

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ctagcgcccc	ggccgtgtgg	tcgcaggcgc	actatgcatt	gtccagagag	aggctgcccc	180
gttgaatacc	tgagttctca	aggccatgca	gaacagcctg	accatgagga	tgggccctg	240
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<210> 16852

<211> 123

<212> DNA

<213> Homo sapiens

<400> 16852

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<210> 16853

<211> 192

<212> DNA

<213> Homo sapiens

<400> 16853

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ctacatcatc	cacttattta	ttacagttgt	gcattctcat	tctctcttct	ccttttcttc	180
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<211> 178

<212> DNA

<213> Homo sapiens

<400> 16854

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acacacctga	agaggagcag	gaattggaaa	agcgggtgat	ggaacatgat	ggtcagtctt	120
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agcaaactgc aacttttcaa ggagaacaac cgtaggagta agaaggagag gaaggagaag	180
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aacaaccact ggacagacagc cccgttctgg aacctgggat ctttctgtgc ttgcacgagt	300
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&lt;210&gt; 16861

&lt;211&gt; 256

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 16861

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aaaaccaaga	gccccgagtt	ctgggtatga	taatggcttc	agctaaattt	ttaatactga	180
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&lt;210&gt; 16862

&lt;211&gt; 202

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 16862

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&lt;210&gt; 16863

&lt;211&gt; 265

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 16863

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&lt;210&gt; 16864

&lt;211&gt; 201

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 16864

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 gtagtcacag ctctcgggg ggctgaggcg ggagaattgc ttgagcccgg gaggcggagg 180  
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 aggcagaggt tgcagttagc caagattgag ccaactgcact ccagcctggg taacagagtg 180  
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<213> Homo sapiens

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tca

123

&lt;210&gt; 16907

&lt;211&gt; 238

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 16907

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&lt;210&gt; 16908

&lt;211&gt; 200

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 16908

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cttcaactgt	agaattttaa	taagacaatc	ctatgaacaa	gttaacagtt	aaagcattat	180
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&lt;210&gt; 16909

&lt;211&gt; 183

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 16909

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aagaattttg	tgtwtttatt	ctgttgaagc	atatgcttct	taagtatttt	ttttttttaa	180
aca						183

&lt;210&gt; 16910

&lt;211&gt; 213

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 16910

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tcgagaccag	cctggccaac	gtggtgaaac	cccatctcta	ccaaaaatac	aaaattagct	180
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&lt;210&gt; 16911

&lt;211&gt; 88

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 16911

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 caaagagggg atgtgccctt ctcagagcat cacttaattg cttgcttaag gtggtgttaa 240  
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 tttttgggca acactctttt ttttcatcag tgaaagagat cttaacgggt gaagagaaga 180  
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<212> DNA  
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 atgacacgtt cctgttctcc tacaccttgt gacttgcttc tgcctctgca ggggcagtgt 180  
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<210> 16926  
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136

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gagttccaga agcaaaaaa aaaaagttcg ggtaccgcgg ctcacacctg taatcccagc	180
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<211> 155

<212> DNA

<213> Homo sapiens

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<212> DNA

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<211> 196

<212> DNA

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atattcaaag tatatacaga gcctgtttta aaaaatacag tattatttag taaaattatc	180
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<212> DNA

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gtgcccgt	129

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 gggttctcta gaattttttg aaagccaagg tgtaaatact gtgactaatt agctgggtgt 180  
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 gagatccctg cagggtgaggc cccgttttgt tctttgtgk tctgcaggct cacagaatac 180  
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283

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<212> DNA

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 atacttaatg tcttctttct gttgactctt tttgggaata aggagcaaca ggcttctgtc 180  
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214

[illegible]

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[illegible]

6081

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<212> DNA

<213> Homo sapiens

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<211> 128

<212> DNA

<213> Homo sapiens

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<210> 17022

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<212> DNA

<213> Homo sapiens

<400> 17022

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<211> 75

<212> DNA

<213> Homo sapiens

<400> 17023

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<210> 17024

<211> 187

<212> DNA

<213> Homo sapiens

<400> 17024

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accatactgc acttctctcc caaccttttt cttgttgagt tggatttttt tttttttttt 180  
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<210> 17025

<211> 113

<212> DNA

<213> Homo sapiens

<400> 17025  
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 ttggaatagg gaggtg 196

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 cccacacaa 189

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 <212> DNA  
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 <212> DNA  
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<210> 17030  
 <211> 413  
 <212> DNA  
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<400> 17030  
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acagagtctc	actctgtcac	ccaggctgga	gtgcagtggc	gtggtctcag	ctcactacaa	300
cctctgcctc	ctgggttcaa	gcgattctcc	tgcctcagcc	tcctgagtag	ctgagactgc	360
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<210> 17031  
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 <212> DNA  
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tgtctcctcc	ccacctttgg	tgggaagtgc	ggggcagtc	tggtcaagac	actcatgccc	218
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 <212> DNA  
 <213> Homo sapiens

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<210> 17033  
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gcagaaatta	ctgtcccat	tttacagata	aagcatttct	ggctcagaga	gatgaatttg	143
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<210> 17034  
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 <212> DNA  
 <213> Homo sapiens

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gaccagtctg	gagtcctcc	cctgccccac	a			

<210> 17035  
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 <212> DNA  
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acatgaggaa gaaacccgga aggggaagag gaaagcaaag gcgtcaggaa tggttcttcc 120  
tcadkgtcta ttgaca 136

<210> 17036  
<211> 278  
<212> DNA  
<213> Homo sapiens

<400> 17036  
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ggttcaagtg attctcctgc ctgcgcctcc taagtagttg ggattacagg catgtgctac 180  
catgcctggc tgatttttgt attttttagtg gagatggggg ttctccatgt tggtcaggcc 240  
ggtcttgaac tcccgcctc aratgatccg caccaccc 278

<210> 17037  
<211> 83  
<212> DNA  
<213> Homo sapiens

<400> 17037  
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tctgtctcaa aaaaaaaaaa aaa 83

<210> 17038  
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<212> DNA  
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<400> 17038  
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gtagagatgg ggtttcacgg tgtagccag gatggtctcg atctcctgat ctcatgatct 180  
gcccgcctca gcctcccaa gtgctgggat tacaggcgtg aaccaccatg cccggccgcc 240

<210> 17039  
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<212> DNA  
<213> Homo sapiens

<400> 17039  
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gaaacgtaag tgccaggaag ttagcagagt ggttcttttg ctggcgctg aacctcgcca 180  
gtcttcgtcg cccctccctt gccaacgcct accccgcttc gaccggaggg tgcgctgtcc 240  
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<210> 17040  
<211> 205  
<212> DNA  
<213> Homo sapiens

<400> 17040  
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004220" 666E7560

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caaaaaaatt agccgggcat ggtggcaggc acctgtagtc ccagctactc gggagcctga 180  
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<210> 17041  
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<212> DNA  
<213> Homo sapiens

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gcagcscaat ggccccatt ggcctcaaag ctgttgcgg agtt 164

<210> 17042  
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<212> DNA  
<213> Homo sapiens

<400> 17042  
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<210> 17043  
<211> 176  
<212> DNA  
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<400> 17043  
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gagtcagcca agggagatag ggggtgggtg ggccgtttta taagatttgg gtagga 176

<210> 17044  
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taacgctctt gatttttacc ctctaggact cattgcgtac acgccctcac cgccgcccag 120  
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<210> 17045  
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<212> DNA  
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<400> 17045  
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ggaaggagga cttcagggtg ggtgaggcca ggcctcagga aattccagaa agtcttaaaa 120  
gtatcttgtc tattctcttt ccttgacatt agaattgatta aggtccctc aagtgtctga 180

gtaaaaagag ctaaaatgtg ataaaagtct gttacagaag agtattttgg tatcagaatt 240  
cgtgtgtgtg tgta 254

<210> 17046  
<211> 73  
<212> DNA  
<213> Homo sapiens

<400> 17046  
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<210> 17047  
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<212> DNA  
<213> Homo sapiens

<400> 17047  
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gggcacggtg gctca 135

<210> 17048  
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<212> DNA  
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<212> DNA  
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<210> 17051  
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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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aggggggtgga ggttgacagt agccaagggt gggctgcttc actccagcct ggggtgacaga 360  
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<210> 17055

<211> 218

<212> DNA

<213> Homo sapiens

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<211> 161

<212> DNA

<213> Homo sapiens

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gacgctgggg ctgggaaggg ccctgtgtcc tctggcttta aaatgggcaa tgctattgaa 180  
aaacagaagc ccttgaaacg aagtcactctg taccctaa 218

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gaatactatc ttatttttaa tttttttttt agcgtasat ttttttattt ttttatttaa 180  
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tctgatectc tccctcctcc accct 325

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<212> DNA  
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<212> DNA  
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<400> 17061  
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 aagtttaaat tgttgacagt tgagcatagt ggtttaatag cttcactatc catagagtcc 180  
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 <212> DNA  
 <213> Homo sapiens

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 ggatcacctg aggtcaggag ttccagactg gtctggccag catggtgaaa ccccgccctc 180  
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<400> 17063  
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<400> 17064  
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 atcagtaaaa ttctgttcaa taaattttgt ttggtacgta tgtggtcaat gaatgaataa 240  
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 <213> Homo sapiens



<213> Homo sapiens

<400> 17071  
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<210> 17072

<211> 116

<212> DNA

<213> Homo sapiens

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<210> 17073

<211> 104

<212> DNA

<213> Homo sapiens

<400> 17073  
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<210> 17074

<211> 107

<212> DNA

<213> Homo sapiens

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<210> 17075

<211> 218

<212> DNA

<213> Homo sapiens

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gcatattatg tgaaaattgc ctcaaagttt tagcattata tgcatttacc taaatggtat 180  
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<210> 17076

<211> 179

<212> DNA

<213> Homo sapiens

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<210> 17077  
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 <212> DNA  
 <213> Homo sapiens

<400> 17077  
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<210> 17078  
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<400> 17078  
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 tgacagggca agatcctatc tgattaaaaa aaaaaatagg ctgggascad tggctmavgc 120  
 ytgtaatctc agcyctttag gaggctgagg agaktggaty tcttgacctc gtgatccact 180  
 ctctcagcc tcctaaag 198

<210> 17081  
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 cacagggcag agaggtcttt ccggtgaggg 150

<210> 17082  
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<213> Homo sapiens

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<210> 17083

<211> 167

<212> DNA

<213> Homo sapiens

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<210> 17084

<211> 142

<212> DNA

<213> Homo sapiens

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<210> 17085

<211> 167

<212> DNA

<213> Homo sapiens

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<210> 17086

<211> 76

<212> DNA

<213> Homo sapiens

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<210> 17087

<211> 59

<212> DNA

<213> Homo sapiens

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<210> 17088

<211> 250  
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 tgtgccagca tgcctagcta atttttgtat ttttagcaga gacaagggtt tgccatgttg 180  
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 ataagggttt acaaacttta aatgccatat tccatcaatt tgaagatgca catttattag 180  
 cactgatggt atgttaaata cattgattct aaagatagaa aaatttattg ttcaaaaaac 240  
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 tgaggctggg aggagagcag cctctgggca tcgttcccag tgtccctcac actaaaacgg 240  
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<210> 17092  
 <211> 62  
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62

<210> 17093  
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<212> DNA  
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tcctaattgct atccctcccc catccccga cccactt 218

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ctcaaaaaaa aaaaaaa 77

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<212> DNA  
<213> Homo sapiens

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agacagggtt tcaccatggt gccaggtg gtcttgaact cctgatctca ggtgatccgc 180  
ccgcctcggc atcccaaaat gctgggatta caggcatgag ccaccgcgc cga 233

<210> 17096  
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tgctagccct ccctccatcc cccacta 208

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 aatgtctaca agagtttttc ccatgttctt ctagaatttt tatggtttca ggtcttagat 180  
 ttaagtattt gatccatctt gcattgattt ttgtgtaagt baagaggcaa ggatccagct 240  
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 cccactttat gcttttgggt gctttgtcaa agattagtgt gctttaagta tttggtttta 360  
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 ggc 423

<210> 17099  
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 <212> DNA  
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<400> 17099  
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 ttggtttgtt caccgtttgg ggcttctatg aatagtgcta gtctgt 166

<210> 17100  
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 acttgagaga gatgatttag ggtatccggg ggaagaaatt tctttctttc tttttttttt 180  
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 gtcgcgcaaa cgagcgagca 80

<210> 17102  
 <211> 64  
 <212> DNA  
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<400> 17102  
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 aaaa 64

<210> 17103  
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 <212> DNA  
 <213> Homo sapiens

<400> 17103  
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 ccagtvgggc ggctacatat ctttagtggt gcccatgga 159

<210> 17104  
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 <212> DNA  
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<400> 17104  
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 tgcatgtatt gatagatca tgaccttact cctttagtgt gataatgtaa tggactgtat 180  
 gaactgattt gttgaaccag ccttgcatat ctgaaataaa tgccacctga ctgtggtgta 240  
 tagttttttg ttatatattg ttatattaga ttttctaata ttctgttgag aatttttaca 300  
 gctatgttca tgagagatac taatctgtag ttgtcctttc ttgtaacatc tttacctaata 360  
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<210> 17105  
 <211> 189  
 <212> DNA  
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<400> 17105  
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 tagtagatat ggggtttcac tgtgttagcc aggatggtct cgatctctag acctcgtgat 180  
 ccgcccacc 189

<210> 17106  
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 <212> DNA  
 <213> Homo sapiens

<400> 17106  
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 cccccctctt ttttttttag atggtgtcat tgcactgcag cctggacaac aagagtgaac 180  
 cgccatctaa aaaaaaagga ggggggggt 208

<210> 17107  
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 <212> DNA  
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<400> 17107  
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 aattctggaa gtttttggcc attgtatgga cctggccaat gcacgccctt ccctctccac 240  
 tcctgtgacg gccattgtcc acacgcaggg tcaactggctc ttggccctca ggtctctgag 300  
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<210> 17108  
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 <212> DNA  
 <213> Homo sapiens

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 tacatatgta tacatgtgcc atgctgggtg gctgcaccca ttaactcgtc atttagcatt 120  
 aggtatatct cctaagtcta tgccctcccc ctccccccac ccc 163

<210> 17109  
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<400> 17109  
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 tggaatcaac aagagtggaa tggaaggaa tggaatggaa tggaatcgtt ccgagtggaa 180  
 taggaggaa tgtattcgaa tggaatggaa tggaatcgtt ccgagtggaa taggaggaa 240  
 tgtattcgag tggccat 257

<210> 17110  
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 <212> DNA  
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 aaaaaaa 127

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 <212> DNA  
 <213> Homo sapiens

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 aatttttgta ttttttagtag agactgggtt tcaccatggt ggccagggtg gtctccatct 120  
 cttgacctcg tgatccaccc acctcggcct cccaaagtgc tgggattaca ggtgtgagcc 180  
 accacgcccc gccctgtttt tttttttt 208

<210> 17112  
 <211> 126  
 <212> DNA  
 <213> Homo sapiens

<400> 17112  
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gccacc 126

<210> 17113  
<211> 108  
<212> DNA  
<213> Homo sapiens

<400> 17113  
gggaggctga gacaggaaaa tcgcttgaac ccgggaggca gaggttgagc tgagcagaga 60  
tcacgccact ggagagggcg agactccgtc tcaaaaaaaaa aaaaaaaaa 108

<210> 17114  
<211> 102  
<212> DNA  
<213> Homo sapiens

<400> 17114  
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tttaaaattg agcctacaaa caaaaacaca gaaccgattg ca 102

<210> 17115  
<211> 55  
<212> DNA  
<213> Homo sapiens

<400> 17115  
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<210> 17116  
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<212> DNA  
<213> Homo sapiens

<400> 17116  
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atcgaccac tgcaactctag cctgggtgac agtgcgagac tccgtctcag aaacaacaa 120  
acaacaacaa aacagcccaa 140

<210> 17117  
<211> 159  
<212> DNA  
<213> Homo sapiens

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aggatggtct cgatctcctg tctcgtgat ccgcccggcc tgccttggcc tcccaaaggg 120  
ctgggattac aggcgtgach accgcgcccg gcccacatca 159

<210> 17118  
<211> 174  
<212> DNA

<213> Homo sapiens

<400> 17118  
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 ccagtctctt caagtgtcgc tatgagcaaa tataaataat cttcccatgc aaagaaggaa 120  
 aaaatcaaatt ttcagacagc tgaggtggct tcagattggg attcaggtac caga 174

<210> 17119

<211> 262

<212> DNA

<213> Homo sapiens

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 gctaattttt gtatttttag tagagatgag gtttcagtat gttggtcagg ctggctctga 180  
 acccctgacc tcaggtgatc tgcttgctc ggctcccaa agtactggga ttacaaggat 240  
 gagccaccgt gcctggctct ac 262

<210> 17120

<211> 150

<212> DNA

<213> Homo sapiens

<400> 17120  
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<210> 17121

<211> 127

<212> DNA

<213> Homo sapiens

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<210> 17122

<211> 68

<212> DNA

<213> Homo sapiens

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<210> 17123

<211> 161

<212> DNA

<213> Homo sapiens

<400> 17123



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 caagcaatct tcctgtctta gcctcctgag tagctgggac t 161

<210> 17124  
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 <212> DNA  
 <213> Homo sapiens

<400> 17124  
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 ttgttctaga cattattaga taattttaat ccagtaactt catttttcaa ttctgggtaa 180  
 attttcttgt atcatttgat aatttcggcc tgtg 214

<210> 17125  
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 <212> DNA  
 <213> Homo sapiens

<400> 17125  
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<210> 17126  
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 <212> DNA  
 <213> Homo sapiens

<400> 17126  
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 ggggcccggag atgggcccag cgctgcccc cggggggtcct cggcgccggc caca 174

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 <213> Homo sapiens

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 agctgga 187

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 caaagtaagc gtgacaccag tcttttgtct ttcttttcagt tctcattcca cttttgactt 180

004229.6657560

atttgtggaa agttataatt agattctgcc tggcctta

218

<210> 17129

<211> 99

<212> DNA

<213> Homo sapiens

<400> 17129

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60

99

<210> 17130

<211> 137

<212> DNA

<213> Homo sapiens

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cccgtccctc ccaccca

60

120

137

<210> 17131

<211> 133

<212> DNA

<213> Homo sapiens

<400> 17131

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tcctcccacc tcc

60

120

133

<210> 17132

<211> 117

<212> DNA

<213> Homo sapiens

<400> 17132

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60

117

<210> 17133

<211> 64

<212> DNA

<213> Homo sapiens

<400> 17133

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60

64

<210> 17134

<211> 253

<212> DNA

<213> Homo sapiens

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 ggaatggaat ggaatcaacc cgagtgcaat ggaatggatt cgaatggaat ggaatggaat 180  
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 ggactggaag cgc 253

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 <212> DNA  
 <213> Homo sapiens

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<210> 17136  
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 gcagtgtcct ctctttcctt aaaaaaaaaa aaaa 94

<210> 17137  
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 <213> Homo sapiens

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 ttctccc 127

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52

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ggtggcccta ccacttacta cctatgtgat cttgagcaat ttacttgacc tttcttagcc 300  
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004229" 0606T560

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412

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gctgggtcaa atggtaattc tggtttaagt tctttgagaa atggccacac tgctttccac 180  
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ccttgccccc acta 254

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aaaaacagag cagaaaagct gaaaattcta aaaatccgag tgctctccc cctcgaaagg 120  
aatgcagctc ctcaccagca atggaacaaa gctggacaga gaatgacttt gacgaattga 180  
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<210> 17152  
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 <213> Homo sapiens

<400> 17152  
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 taaggcagga gaattgcttg agcccgaggag aaggagggtg cggatgaaccg agattgcgcc 120  
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 aaaaag 186

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 <212> DNA  
 <213> Homo sapiens

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 agaatattag taaatcagtt cattatttcg aaacctgata acgtgaaaaa taagcatatt 180  
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gctgattagt ttctgattca gcaatctagc ttggtccagg gtaggggctg ataaattgca 180  
tttcaaagaa gtccctgtgt gctgctgttg ctgtwgctaa tctggcgatc acacttccwk 240  
agtmactgct ttagaacaca acctctgatc cagcccatac cagagaccct gcttga 296

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gcagtcacag ctactacag cctcagcctc ctgggctcag gtgatctccc acctcagcct 180  
cctgagtggc tggggctaca ggtgtgtgcc accatgcctg cctaattttt gtattttttt 240  
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<211> 219  
<212> DNA  
<213> Homo sapiens

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<213> Homo sapiens

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tagagaaatg ctgttccccg g 141

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tgagaaagag acccgatcta acccaggcct ttcatacagag cccaggaggg aaggcaggaa 240  
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tgaagagcag atctcagaac aaggaggaga at 332

<210> 17160  
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 <212> DNA  
 <213> Homo sapiens

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 tgtctctcct ttcactctctg atctgatttc ttgggtctct ctctcttttt ttacttagtc 180  
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<400> 17163  
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 aatctttggc agacttgag caaaagattg aggtgcattt catgcctcct tttagagtc 120  
 ttgctctgtc gccaggtg tagtgagtg gcgcaatctt ggctgcaacc tcagcctccc 180  
 aagtagctgg gattacaaac ataagccacc tt 212

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<210> 17165  
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<212> DNA  
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<400> 17165  
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aagcatgggt gacagggcaa gcaagactcc atctcaaaaa aaaaaaaa 168

<210> 17166  
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<212> DNA  
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gggtttcacc atgttggcca gactgatctg aaactcctga 160

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<212> DNA  
<213> Homo sapiens

<400> 17167  
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gagaagwwaa ggagctagtg ctttttaagt acatttcata atgcaaaggc accacttacg 180  
tggtattttt taccatttg tttcacacaa aaaagggcag agcagttatt 230

<210> 17168  
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<212> DNA  
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acctacttat cctctttttg cggtgagaat actttttttt 160

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 gaattttatt atcatctttc tgtgtagaca gatcatgaaa taaagggtgt tgttcctatt 180  
 cactacagaa tattttcctc tgccctagtt aagaagtatc aatttcagtc ataaggcaac 240  
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 cccctggaaa tcaactcaac tggaggaagc agggttttca aaagtgtggg gatgtgtaac 180  
 tacaatggct gcctgactct ttgtctacac ttctgtgata agaagcgcga gtgaacaaaa 240  
 cacagatcct ttatggctgg aggacagggt cctttttttt ttt 283

<210> 17172  
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 <212> DNA  
 <213> Homo sapiens

<400> 17172  
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 cataggacgc tggctgataa tcacaaatcc aaaaatcttg ttttttatta ttaagttcta 180  
 gggtacatgt gcacaacatg caggtttgtt acatatgtat acatgtgccca tgttggtgtg 240  
 ctgcacccat taactctaca ttacattag gtatatctcc taatgctatc cctccccctt 300  
 t 301

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 <212> DNA  
 <213> Homo sapiens

<400> 17173  
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 gtcaagacag gacatactct aatttggtca ttatgtatct acagtggccc taaatgaaat 120  
 gctcaatttt tttttttttt tttttttttt ttt 153

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<213> Homo sapiens

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 ctctcagaa atgccccag ccaccaaggc ctgctgtgc ttgttctagc cctcagagga 180  
 gttcagccct gggaacggct catgtgtgag aggactgt 218

<210> 17176

<211> 139

<212> DNA

<213> Homo sapiens

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<210> 17177

<211> 423

<212> DNA

<213> Homo sapiens

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<210> 17178

<211> 141

<212> DNA

<213> Homo sapiens

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<210> 17179

<211> 171

<212> DNA

<213> Homo sapiens

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 tactccagcc tgggcaacaa gagcaaaact ccgtctcaaa aaaaaaaaaa a 171

<210> 17180

<211> 147  
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 cctggccaag ctgatgaaac cctatct 147

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 gcttt 185

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 aaccataagc cagaaagcg 139

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 <212> DNA  
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 aggacaatca cttgaaccg agaggcaaag gttgtggtga gccagatcg cgccattgca 180  
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<210> 17185  
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 <212> DNA

004220 032400

<213> Homo sapiens

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<210> 17186

<211> 161

<212> DNA

<213> Homo sapiens

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<210> 17187

<211> 180

<212> DNA

<213> Homo sapiens

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<210> 17188

<211> 343

<212> DNA

<213> Homo sapiens

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acatgtggct agtgggttaag tcaatgtgta gaggcagctc agccaataat taaggaaatg 180  
tattaactat taactactac acagcaggct taaaagacaa acagaatgga aggatagcta 240  
cctctcaacc ttgttgtttt gactttccct gcctctgcca gtccttcaag atttgtcaaa 300  
aaatgacagt ttgatgacaa gtcctgaac tcattttaat ttt 343

<210> 17189

<211> 333

<212> DNA

<213> Homo sapiens

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aaagacattt ctccaaggca tgttgtgcaa gtgataacct ggaagttaca gaaaatattc 240  
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 gtaccacaat c 191

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 <212> DNA  
 <213> Homo sapiens

<400> 17192  
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 <211> 350  
 <212> DNA  
 <213> Homo sapiens

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 ggtcaggaga tcgagaccat cctggctaac acggtgaagc cctgtctcta ctaaaaatac 180  
 aaaaattagc cgggcatgga agcaagagcc tgtagtccca gctacttggg aggctgaggc 240  
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212

<210> 17195

<211> 161

<212> DNA

<213> Homo sapiens

<400> 17195

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 atatgtatac atgtgccatg ttggtgtgct gcacccatta actcgtcatt tagcattagg 120  
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<210> 17196

<211> 328

<212> DNA

<213> Homo sapiens

<400> 17196

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 tttgtttaag ttctttgtag attctggata ttagcccttt gtcagacggg gagattgcaa 180  
 aaattttccc ccgttctgta ggttgccctgt ccactctgat ggcagtkctt tttgctgtgc 240  
 agaagctctt tagtttaatt agtgtaagtg ttatttttgt acccattaac cgtccccctt 300  
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<210> 17197

<211> 185

<212> DNA

<213> Homo sapiens

<400> 17197

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 aatgc 185

<210> 17198

<211> 139

<212> DNA

<213> Homo sapiens

<400> 17198

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 aaaaaaaaaa aaaaaattt 139

<210> 17199

<211> 211

<212> DNA

<213> Homo sapiens

<400> 17199

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gaataaatat tgattctgaa gctaagaaaa tagttgtggt aggttattgg gggttttttt 180  
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 <211> 143  
 <212> DNA  
 <213> Homo sapiens

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<210> 17204  
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 <212> DNA  
 <213> Homo sapiens

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 aagatcttca tctgttttgt tcattgggtg atccaaatct ctagagcagt gcctaca 117

<210> 17205  
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<213> Homo sapiens

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 agttcaagac catcctgacc aacatgatga aaccccgctc ctactaaaaa taaaaaaatt 180  
 ggccgggtgt ggtgttgtgc agcctgtaat cccagctgct cggggggctg aggcaggaaa 240  
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<210> 17206

<211> 198

<212> DNA

<213> Homo sapiens

<400> 17206  
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 tatagagtct tgctattaca caggcaggat tgcaagtggca tgatctcagc tcaactgcaac 180  
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<210> 17207

<211> 174

<212> DNA

<213> Homo sapiens

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<210> 17208

<211> 287

<212> DNA

<213> Homo sapiens

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<210> 17209

<211> 161

<212> DNA

<213> Homo sapiens

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 atcgactcat ttttttttta attttttttg agattgagta ttgctcttgt tgcccaggct 120  
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<211> 166  
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 <213> Homo sapiens

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 gagtkctcag ggttccttca gcactgacac ctgccccagt cagcctgctg tctcccagct 180  
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 <213> Homo sapiens

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 taaaaattct agaagaaggg ctaggaaaat ctcttttgga ctttggttca ggcaaataat 180  
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 <213> Homo sapiens

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<210> 17214  
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 <212> DNA  
 <213> Homo sapiens

<400> 17214  
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<210> 17215  
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 <212> DNA

<213> Homo sapiens

<400> 17215  
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<210> 17216

<211> 342

<212> DNA

<213> Homo sapiens

<400> 17216  
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 agttcaagac catcctgacc aacatgatga aaccccgctc ctactaaaaa tacaaaaatt 180  
 ggccgggtgt ggtgtttgtgc agcctgtaat cccagctgct cgggggggctg aggcaggaaa 240  
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<210> 17217

<211> 59

<212> DNA

<213> Homo sapiens

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<210> 17218

<211> 153

<212> DNA

<213> Homo sapiens

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<210> 17219

<211> 188

<212> DNA

<213> Homo sapiens

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<210> 17220

<211> 169

<212> DNA

<213> Homo sapiens

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gcaggagagt ggcgtgaacc cgggaggcag ggcttgagat gggccgagat tgcgccactg 120  
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gtttatgtcg tctataatct ctttcagcag tgtttagtag ttttctttgt agagatcttt 180  
cacctcctc 189

<210> 17222  
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<212> DNA  
<213> Homo sapiens

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aggctgtgtc cgaactcctg acctcagatg atctaccgcg ca 162

<210> 17223  
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<212> DNA  
<213> Homo sapiens

<400> 17223  
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acggt 125

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<211> 233  
<212> DNA  
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agacagggtt tcaccatgtt ggccaggctg gtcttgaact cctgatctca ggtgatccgc 180  
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<210> 17225  
<211> 441  
<212> DNA  
<213> Homo sapiens

<400> 17225  
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acaaccggag	tgggctacgt	gttaataagg	gggcaggtaa	gggatgaga	atccctcacc	240
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tgagagaaga	cagccattga	gcagccagca	tcccaccaa	gctgcctcct	cagtgggaga	360
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 <212> DNA  
 <213> Homo sapiens

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catcccagga	cgcgcgccgt	caggctccca	ggacactgcc	ccaagcacc	agcttcagt	238
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<210> 17227  
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <211> 364  
 <212> DNA  
 <213> Homo sapiens

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 caggatctca ttctgttgcc caggctggag tgcagtggca tgatcatggc tcaactgcagt 240  
 stcaaactgc tgggctcaag caatcctcct gcctcagcct cccgagtagg tgggtgtatt 300  
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<210> 17231  
 <211> 248  
 <212> DNA  
 <213> Homo sapiens

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 tacttctgtt taatcacatc agagtcagt aaggtctgcc tgtctatctt agtcagtcac 180  
 gttataatc tgtgggctca ggtgggtatca gtctgatcca tctgttacac aggtcactca 240  
 agaaccta 248

<210> 17232  
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 <212> DNA  
 <213> Homo sapiens

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 gagaatcgct tgaacctggg acgcgagggt tgtagtgagc tgagatcatg ccaactgcact 120  
 ccagcctggg tgacagagtg agacgtcatc tcaaaaaaaaa aaaaaaaaaa aaaaaaa 177

<210> 17233  
 <211> 168  
 <212> DNA  
 <213> Homo sapiens

<400> 17233  
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<210> 17234  
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 <212> DNA  
 <213> Homo sapiens

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 bactttgtgc catacctttg aaactagga cctgtctagg cttccttctg atggccatcc 180  
 cac 183

<210> 17235  
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<212> DNA

<213> Homo sapiens

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<210> 17236

<211> 62

<212> DNA

<213> Homo sapiens

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<210> 17237

<211> 184

<212> DNA

<213> Homo sapiens

<400> 17237

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ccagtgtaca tggagtggcg gtagtagatg gtagtagcca ggcttcagtc ctctagatta 180  
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<210> 17238

<211> 206

<212> DNA

<213> Homo sapiens

<400> 17238

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agtttatagt gttagagact ggggtgtcaa tgccagcaga tgtaattaag acaatttaga 180  
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<210> 17239

<211> 208

<212> DNA

<213> Homo sapiens

<400> 17239

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aacacggtga aaccccgctct ctactaaaaa tacaaaaaat tggctgggcg tggtggcggg 180  
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<210> 17240

<211> 78

<212> DNA

<213> Homo sapiens

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gtagagcacc aaaaacca 78

<210> 17241  
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<212> DNA  
<213> Homo sapiens

<400> 17241  
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ctcggctcac tgcaacctcc gcctcccagg ttcaagcgat tctcctgact cagtgtctcg 120  
agtagctggg attacaggtg cccgccacca cgcccagctc atttttatat ttttaggaga 180  
gacgggtat cattatgttg gccagtctgg tctcgaactc ctgacctcag gtgatccgcc 240  
caa 243

<210> 17242  
<211> 211  
<212> DNA  
<213> Homo sapiens

<400> 17242  
vcaatttaat tagaaaattc cagatccatg ctcacaggtg tggaggagaa agaatagctc 60  
aatagcagga ggtcaaacca tcatgtgttt gggtcattgg tatatcaagt ttctaagtca 120  
agggctcact ctctaccata aagggcctca gggcacrkgt aggtagtata agtcggtgat 180  
taagaacatg gactctgaag tcagactgcy c 211

<210> 17243  
<211> 145  
<212> DNA  
<213> Homo sapiens

<400> 17243  
taaaatttaa aacactgatg tataaaaaact aagctgaagc agaaaataga ctgggggaaag 60  
ggactgtcat gctctcttga tgtcaggaaa agagtactta caattgaaat ttattttctt 120  
cttaatcact ttcaaaccac ccagt 145

<210> 17244  
<211> 263  
<212> DNA  
<213> Homo sapiens

<400> 17244  
ataaagggtg cttgctccat tgatttttgt ctgctcattg ggaaagtctg ctaatcacca 60  
tgattaagtt ccttaacaga aatgtcactt attttattca tctattccta aagaaatgaa 120  
gttttttttt hcttttttcc tagaagagtc agaacacttt cagagcctaa tttttttccg 180  
gcaacacaag ggtgthattt ccttggtatg gtctaagcaa aaattataaa acaagtgact 240  
gccacattcc atctctgtgt ccc 263

<210> 17245  
<211> 119  
<212> DNA  
<213> Homo sapiens



<400> 17245  
 tgggactata ggcacccatc accatgcccg gctaactttt tgtatttttt gtagagacgg 60  
 ggttttaccg tgtagccag gatggtcttg atctcctgac ctctgtatct gccgcctc 119

<210> 17246  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<400> 17246  
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 tctattaaac atatattcaa actttttgaa taaatagggt tttgtttgac tcaaaaaata 120  
 atacgtttct tgtttttttg tgtatttttg agacggaggt ttactcttgt tgcccaggct 180  
 gtagtgcaat ggtgcaatct cggctcactg caacctctgc ctcccggtt caagcaattc 240  
 tcctgcctca gcctcccaag tagctgggcg tggtg 275

<210> 17247  
 <211> 189  
 <212> DNA  
 <213> Homo sapiens

<400> 17247  
 tattttatat ttctaagcat ataaagaaga ggatattcca gatgcagtgc tcttcaaagt 60  
 tttctaaaaa atttgctctg caaaaattaa tgtgtcattg gttacattca aatagttttt 120  
 taaaaaatct gcgaaatatg tatacttatg gatttagagt aacttctgta atttccacat 180  
 aggtcccca 189

<210> 17248  
 <211> 96  
 <212> DNA  
 <213> Homo sapiens

<400> 17248  
 ctttataggt gaagttgtgt ttcttttagg cagaatatag ttggggcttg tttctttatc 60  
 cattcagcca ctctgtgcct tttaattgga gaatgt 96

<210> 17249  
 <211> 77  
 <212> DNA  
 <213> Homo sapiens

<400> 17249  
 aatttaaata catatgtcac atagcagtht tgagagctca aaagaaagga gagartaaat 60  
 gagaatgagg gtgtgat 77

<210> 17250  
 <211> 204  
 <212> DNA  
 <213> Homo sapiens

<400> 17250  
 gtaacactaa tagctgacta gctaagtgcc tgtcggtccc ttggcagagg agttgattgt 60  
 gttttcggtt ggatactaaa tccaaaaact atgtaaaaat gtcaatagggt gtagtcacat 120  
 tgattttggt tagtcacagt gatatttgag cccctttggg gactctgtct ggggaagtat 180

tttacaagaa agataatata acat

204

<210> 17251  
<211> 103  
<212> DNA  
<213> Homo sapiens

<400> 17251  
tatttattga ggagtgcctg gtactaggcc attagaagaa caaacaacaa caacataggc 60  
ctggaccttg cacttgacaga gttcacaggc tagagaggcg cct 103

<210> 17252  
<211> 207  
<212> DNA  
<213> Homo sapiens

<400> 17252  
caacatgaac agacactttt caaaagaaga cacacacggt caacacgcat atgaaaaaaaa 60  
tgctcaagat cactaatcat cagagamatg caaatcaaaa ccacagtgcg ataccatctc 120  
gcattagtca gaatggctat tactaaaaag tcaaaaaata acagatgctg gcaagggttg 180  
agagaaaaag gaaggcatat acactgc 207

<210> 17253  
<211> 243  
<212> DNA  
<213> Homo sapiens

<400> 17253  
aaatgagatg aagaaaaagt cttgggttggc tgggtatggt ggctcatgctg tgtaatctca 60  
gctactcaag actgagacag gaggatcgct tgagcccagg aggttggggc tgtagtgaac 120  
catgatcatg ccactgcact ccagctgggc aagagtgcga ccctgtctca aacaaaaacaa 180  
aacaaaaacaa acaaaaaaga aaactgcctg gtgcagatcc aattagattc ctccccctcc 240  
cac 243

<210> 17254  
<211> 331  
<212> DNA  
<213> Homo sapiens

<400> 17254  
agatcacatt caagaacgtg ccatgaagtg ggaatgaaca tggactattg gaggaatga 60  
aagaagccag tgtggctgga atgtcaggat aggtggacca cggtaagagt ttagattttt 120  
agtgaatat aaagtcactg gaggattttt ttccaatta tttgtgattk tttttctctt 180  
ttttttatta ttattatact ttadgtttta gggtacatgt gcacaatgtg caggttagtt 240  
acacatgtat acatgtgccg tgcgtgtgtg ctgcacccat taactcgtca tttagcatta 300  
ggtatatctc ctaaagctat cctccccccc c 331

<210> 17255  
<211> 207  
<212> DNA  
<213> Homo sapiens

<400> 17255  
gtcaaggaga ttcttcttgc aatgcaggga cccgtctggt caatggcagg cctgaagaac 60

aaacctgcaa gctgggcatg gtggctgacg cctataatcc gagcactttg ggaggccaag 120  
 gcgggtggat cccaagggtca ggagatcgag accatcctgg ctaacacggt gaaaccgtgt 180  
 tagccaagat ggtctccatc tcttgac 207

<210> 17256  
 <211> 119  
 <212> DNA  
 <213> Homo sapiens

<400> 17256  
 tgggactata ggcacccatc accatgmmcg gctaactttt tgtatTTTTT gtagagacgg 60  
 ggttttaccg tgtagccag gatggtcttg atctcctgac ctctgatct gccgcctc 119

<210> 17257  
 <211> 161  
 <212> DNA  
 <213> Homo sapiens

<400> 17257  
 tgtgtrtagc tgggtttwat gaccaccctc gtgcggcccg gcacgcccgc acgtcccgcc 60  
 accccctccc ttgggtgtgt gtctctcagc yccctgcaca ccgttcccta tgtctgtggc 120  
 ccgctgcct btgtgcgcgt gtgtccccc cagcgccagg n 161

<210> 17258  
 <211> 112  
 <212> DNA  
 <213> Homo sapiens

<400> 17258  
 gtatagtggc atgatctcag ctcaactgcaa cctccatctc ctgggttcag gcaattctcc 60  
 tgcctcagcc tccaagtag ttgggactac aggcattgtc caccagccc tc 112

<210> 17259  
 <211> 169  
 <212> DNA  
 <213> Homo sapiens

<400> 17259  
 tgyggcgaat atcktcscctt acaagggtta tatatggaat tatggtacc tccctcagat 60  
 tctttcttgt ggagaagtta twmatgtgaa gatccttgga attttggtc ttattgatga 120  
 aggtgaaaca gattggaaat taattgskat caatgcaaat cccctgaar 169

<210> 17260  
 <211> 167  
 <212> DNA  
 <213> Homo sapiens

<400> 17260  
 cctgcctcag cctctcgact aactgggact acaggcatgc atcaccatgc ctggtctaga 60  
 ttggaaattt tttttaaatg atcctttacc acatttgaga agcactgatg taggcagagg 120  
 gaaaaagtgc aagctcaaag gggtggagaa gtgagatagt ggcattc 167

<210> 17261  
 <211> 87

09513999.062400

<212> DNA

<213> Homo sapiens

<400> 17261  
aagtctgcgc cgccaggtaa ggcgggggtgg cccttgcgtc tcccgtttcc ttgaaaaacc 60  
cggcgggcga gcgaggctgc gggcgct 87

<210> 17262

<211> 86

<212> DNA

<213> Homo sapiens

<400> 17262  
agcttctggc tgggaagtgg caggaactag agtggccgcc tcagaccac agcagaaggt 60  
acatgttgag aaagggctgc ccccca 86

<210> 17263

<211> 124

<212> DNA

<213> Homo sapiens

<400> 17263  
taattttttt tgtattttta atggcgacag ggtttcacca tgtagccag gatggtctcg 60  
atctcctgac ctcgtgatcc caaagtgtg ggattacagg cgtgagccac catacccgtc 120  
acca 124

<210> 17264

<211> 262

<212> DNA

<213> Homo sapiens

<400> 17264  
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cctgagggtca ggagttcgag accagccagg ctaacatggg gaaaccctgt ctgtactaaa 120  
aatacaaaat tagcaggtgt ggtggcgggc gcctgtagtc ccagctactc aggaggctga 180  
ggcaggagaa tggcgtgaac ctgggaggcg gactgcagtg agctgagatc gcgccactgc 240  
actccagcct gggggacaga gc 262

<210> 17265

<211> 94

<212> DNA

<213> Homo sapiens

<400> 17265  
caggaascaa ttgagacttt ggaaccctgc tagtatttct cttgcctaca aagaagacac 60  
tgaggagcta ccaaggagca caaaaaaaaa aaaa 94

<210> 17266

<211> 382

<212> DNA

<213> Homo sapiens

<400> 17266  
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gggggggttta tttatTTTTt tatttgagac ggagtcttac tctgttgccc aggctggagt 120  
 scagtggcgt gatcttggt cactacaatc tccgcctccc gggttcaagt gattctcctg 180  
 tctcagcctc ccaagtagct gggattacag gtgccacca ctatgccag ctaattttgt 240  
 attttttagta gagacggggt ttcaccatat tgatcaggct ggtctcgaac tctgacttc 300  
 aggtgatcca cccgcctcgg cctcccaaag tgctgggatt ataggcgtga gcaccatgcc 360  
 tggccgtttc tttttcttt tt 382

<210> 17267  
 <211> 110  
 <212> DNA  
 <213> Homo sapiens

<400> 17267  
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 agcccgcggg ggcggasggt gagagcggc gccaaagagag atcacaccct 110

<210> 17268  
 <211> 152  
 <212> DNA  
 <213> Homo sapiens

<400> 17268  
 ttagcaacag tgaccagaa aattttgaga agtccaattt caccagaaga ggcccagggc 60  
 tccctgtggt cacattttct acccagccat tcttggcatt gcaacctcca ttttctagct 120  
 ccagttgaat tttctccacc cagaccccgcc ct 152

<210> 17269  
 <211> 145  
 <212> DNA  
 <213> Homo sapiens

<400> 17269  
 tgaactactg aaaaatgtcc ttatttggtg gagatgcatg taaggatattt tggggtaaaa 60  
 tggttaagatt tctgtaactt tcaaattggt ccacaaataa aatcttaggt aaacaaaaga 120  
 aatgtatga aatgtttaac agtta 145

<210> 17270  
 <211> 63  
 <212> DNA  
 <213> Homo sapiens

<400> 17270  
 atgtcactct gggagggaga cagcagcaac taagctgtac aagggtttttt tttttttttt 60  
 ttt 63

<210> 17271  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<400> 17271  
 gggattgagg ttcttttttc tttgtacgtt taccagttgt ttccacactg tttatagaaa 60  
 agacttttat atgcattgaa ttatgttgat gccaaaggct tcattttgtc tttgtttttw 120  
 aattaatatt ttatttattt attttttttt agagacaggg tctcgctttt tcgtccaggc 180

tggagtgcac tggcagcatc atagctctct acatcctaga aagtcaaagt ctaaaatatac 240  
 taatataaga acataaaaat ctaggtcatt ttt 273

<210> 17272  
 <211> 209  
 <212> DNA  
 <213> Homo sapiens

<400> 17272  
 tttcttttat ttattattca ttttttttga gacacagtct ctctctgtca cccaagctgg 60  
 agtgacagtgg cgtgaktgt catctctgct cactgcatcc tccacctcct gggtttaaaam 120  
 caactctcgt gcctcagcct cccgagtagc tgggattaga ggcacatgcc accatgcctg 180  
 gctaattttt tttctttttt tttttttt 209

<210> 17273  
 <211> 182  
 <212> DNA  
 <213> Homo sapiens

<400> 17273  
 taataaaaaac attccagagg cccggcacag tggttcacac ctgtaatccc agcactgtgg 60  
 gaggccgaga cagtwggatc acgaggtcag gagatcgaga tcatcctggc taacatgggtg 120  
 agaccccgtc tctactaaaa acacaaaaaa ttagccgggt gtggtgatgg gcgcctgtag 180  
 tc 182

<210> 17274  
 <211> 87  
 <212> DNA  
 <213> Homo sapiens

<400> 17274  
 cagaggttgc agtgagctga gatcatgccca ctccactcca gcctggggcga cagagcaaga 60  
 ctccatctcc aaaaaaaaaa aaaaaaa 87

<210> 17275  
 <211> 111  
 <212> DNA  
 <213> Homo sapiens

<400> 17275  
 aggattgagg tcaacctcct cctcgtttta ggacacagag tgtggtgtgg tgtgttgact 60  
 tgctaagggtc acctagctgg tcatcagctc agtgaggacc agaggccaga c 111

<210> 17276  
 <211> 259  
 <212> DNA  
 <213> Homo sapiens

<400> 17276  
 agaactagag aagcaagagc aaacacattc aaaagctagc agaaggcaag acataactaa 60  
 gatcagagca gaactgaagg agatagagac acaaaaaacc cttcaaaaaa atcaatggaa 120  
 atccaggagc tggttttttg aaaagatcat caaaattgat agaccactag caagactaat 180  
 aaagaagawa agagagaaga atcaaataga tgcaataaaa aatgataaag gggatatcac 240  
 caccgatccc acagaaata 259

<210> 17277  
 <211> 132  
 <212> DNA  
 <213> Homo sapiens

<400> 17277  
 tttgagaatc atggtaaaaa taacttgtat ttgccttacc atcatgatcc tactgttgag 60  
 ttaggaaaat atggtttagac agactcacat tacttttttt cagaggtaaa ctctagatta 120  
 ctgtgccaac cc 132

<210> 17278  
 <211> 130  
 <212> DNA  
 <213> Homo sapiens

<400> 17278  
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 tgtctacttc ttctacaca gacacagtaa caatctgatc tctctttctt ttccccacat 120  
 ttccccccga 130

<210> 17279  
 <211> 137  
 <212> DNA  
 <213> Homo sapiens

<400> 17279  
 gatcctccca ccttggtctc ccagagtgtc gggattactg acatgagcca cagaataatc 60  
 tttgtgtgtc ccacctccat cctccatcc tttttattct gcctgtttga acattttctg 120  
 tattccccctt ttttttt 137

<210> 17280  
 <211> 203  
 <212> DNA  
 <213> Homo sapiens

<400> 17280  
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 tgatggacat ttgggctggt tccatatttt tgcaattgtg aattgtgctg ctataaacat 120  
 gcgtgtgcaa atatcttttt catataatga cttcttttcc caccacaagag tgggattgct 180  
 ggatcaaagtg gtagatctac ttt 203

<210> 17281  
 <211> 251  
 <212> DNA  
 <213> Homo sapiens

<400> 17281  
 cttcctagca gtgatggctt ttacaatttg gcatgtttgt gcagtggctg gtaccagttg 60  
 ttctttttca tatttagtgc ttcttcagg aactcttgta aggctggcct ggtggtgaca 120  
 aaaaatctct cagcatttgc ttgtctgtaa aggattttat atctccttca cttatgaagc 180  
 ttctgtttgc tgatatgaa attctgggat gaaaattctt ttctttaaga atgtwgaata 240  
 ttggcccctt c 251

<210> 17282  
 <211> 245  
 <212> DNA  
 <213> Homo sapiens

<400> 17282  
 ggaagccaaa atattccttc ttagactgaa aaaatgtgct ttggtgccat gcttatttgg 60  
 ctaaagccag aaaaatctgt ctttaaata agtatataat tcctgccatc atctgacaag 120  
 ggggtggataa tgcagctggg gaaataaatc acagaatatt ggtatagata ggagtgtact 180  
 ggaggatttg attcacttcc agtatttcat taatttgtat ttggaagttt aaataccggg 240  
 ccaca 245

<210> 17283  
 <211> 72  
 <212> DNA  
 <213> Homo sapiens

<400> 17283  
 caaatgctgc taagattccc ttttctgtcc tcggagtcaa atgaagagag ttttaattctt 60  
 tttttttttt tt 72

<210> 17284  
 <211> 107  
 <212> DNA  
 <213> Homo sapiens

<400> 17284  
 agattgagta tcccttatct gaaatgcctg ggacctgaag tattttggat ttcagacttc 60  
 ttttcagatt ttggaatatt tgcattatat ttactgattg ggcaccc 107

<210> 17285  
 <211> 372  
 <212> DNA  
 <213> Homo sapiens

<400> 17285  
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 catgcctgta atcccagcac tttgggaggc tgaggcaggc ggatcacctg aggtcgggag 120  
 tttgagacca gcctgaccaa tatggagaaa ccccgctctc actaaaaata caaaattagc 180  
 cgggcgtggt ggcacatgcc tgtaatccca ggtattccgg aggctgaggg aggagaatcg 240  
 ctagaacctg gannngcaga ggttgcatg aactgagatg gcacctttgc actccagcct 300  
 gagcaacaag gcgaaactcc tacctcagmc gtctgcatag ctgggaccac aggcattgcac 360  
 tatcacaccc mr 372

<210> 17286  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

<400> 17286  
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 aggtgatcca caggccttgg acctccaaag tgctgggatt acaggggtgg atgtccttac 120  
 tcttaagaac aatggtttct atgcactcag gaccttctga taacttgttt caggcaaaag 180  
 aaacccaaat gtgatggatg gacatatatg atttttgata cactgcatcc attctctggt 240



ctttggataa tttttccttg ttctcttgta ggaaatcacc cttacccact cc

292

<210> 17287

<211> 325

<212> DNA

<213> Homo sapiens

<400> 17287

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ttatgtttat	ttatgtactt	acattttaga	gatgggggtct	tggtctgtcg	cccaggctgg	120
agtacagtat	catagttccc	ttgaagcccc	aaactactgg	actcaagcag	ccctctcgcc	180
tcagcctccc	aaataactgg	gggactgtag	gcatacgcca	ccatgctcag	ctaattaaaa	240
aaaaattttt	tttttkggag	accggtctta	ctatgttgcc	caggttggtc	tcaaactcct	300
ggcctmaaac	gatgccccctg	cccat				325

<210> 17288

<211> 177

<212> DNA

<213> Homo sapiens

<400> 17288

tawwcataaa	tctcaattca	tttgggtaaa	tatcaaggag	tgcaattact	ggatcatatg	60
gtaagagtat	gtttagtgtt	gtaagaaaaat	gccaaacccat	cttccacagt	ggctacacca	120
ttttgctttc	ctaccakywa	tgaatgagag	ctcctgttgc	tccacatcct	cgccaaa	177

<210> 17289

<211> 220

<212> DNA

<213> Homo sapiens

<400> 17289

cadaggtcag	gatacagcca	cagtgggatt	gtttgacggg	caagtggatc	tgctccaat	60
ggggcacaga	gtscaagaac	agggagggct	ttgaactaca	gagtcaagg	cagaggtaac	120
atggtgaaaa	gagggggatt	aagtatgtcc	actgctgact	aagacctcca	gctgtccttc	180
cttagttggc	ttccaaaaaa	gtagcagcta	ggccttcact			220

<210> 17290

<211> 114

<212> DNA

<213> Homo sapiens

<400> 17290

gacgggtttt	gccatgttgg	acagggttgg	cttgaactcc	tgatgtcagg	tgatccaccc	60
atctcggcct	cccaaagtgc	tgggattaca	gggtgtgagcc	accatccccg	cact	114

<210> 17291

<211> 140

<212> DNA

<213> Homo sapiens

<400> 17291

ctccacagca	tctattgttt	cctgactttt	taataatcac	cattctgact	ggcgtgagat	60
ggtatctcat	tgtggtttcg	atttgcattt	ctgtgatgat	cagtgatgtt	gagctttttt	120
tcatatgttt	ggtggctgca					140

<210> 17292  
 <211> 122  
 <212> DNA  
 <213> Homo sapiens

<400> 17292  
 ttttgggttt tttttggaga caggggtcttg ctctgttgcc tggactggag tgcagtgggtg 60  
 caatcacacc tgattgcaac ctctgcctgc tgggctaaag caatcctccc acctcagccc 120  
 ga 122

<210> 17293  
 <211> 101  
 <212> DNA  
 <213> Homo sapiens

<400> 17293  
 tagccaggat ggtctggatc tcttgaccac gtgatccacc cacctcagcc tcccaaagtg 60  
 ctgacattac aggcgtgass actacagccg gcccacaagc c 101

<210> 17294  
 <211> 229  
 <212> DNA  
 <213> Homo sapiens

<400> 17294  
 caataacatt atctcattta aaaaataaga ataattatct aatattatct ggacatatct 60  
 gtataccaac tgtcctataa acttttaaaa gtaaaattta aacttaaatc atacaatcat 120  
 ttaacaatc attaaacttt tgtttaaatt tggatcaaat gtggttcata caatgattgt 180  
 ctcttaaate tcttttatag gtcctcctc tgtctttttt ccccaccta 229

<210> 17295  
 <211> 197  
 <212> DNA  
 <213> Homo sapiens

<400> 17295  
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 tcagatgcta atgaactcag aaatgtatat ttccaggcca gactctcaat ttaaactctg 120  
 gagtttatct cttgttactt atttcaatgg ctaatacata tcaacttaatt tcttgatatt 180  
 tcaacccccca acccagm 197

<210> 17296  
 <211> 272  
 <212> DNA  
 <213> Homo sapiens

<400> 17296  
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 cacaccggcg taatttttga gtttgttgtt gttattattt ttttttgaga tggagtcttg 180  
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<210> 17297  
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 <213> Homo sapiens

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 aggcggggaga cttgcttgaa cgcgag 86

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 aatgatgaat tttatcaaag gccttttctg catctatoga gataatcatg aggtttttgt 180  
 cattggttat attaatgtga ttgattttgt ttattgattt gcatatgttg aaccagcctt 240  
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<210> 17299  
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 <212> DNA  
 <213> Homo sapiens

<400> 17299  
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 catcctgaac ctcttattat tttgagatat gtgcaccaat acctagttaa ttgagtgttt 180  
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 aaaccaacct tgcacccac ggatgaagct gacttgatct tgggggatac gtttttgata 360  
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<210> 17300  
 <211> 267  
 <212> DNA  
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 tgtgaagaag twaagagtgw agtggtgttt ggttycttgt agcaagagtc ctagascagt 180  
 ggtccccaac ttttttggca ccagggaccg gttttgtkgw agacagtttt ycaatgggac 240  
 tgggaggggtg tycggggggag ggcwagt 267

<210> 17301  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 17301

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agacaagaaa	ctgagccgc	tgggcgcgg	ggctcacgcc	tgtaatcca	gcactttggg	120
aggccaaggc	gggtggatca	cgaggtcagg	agatcgagac	cactctgact	aacatggtga	180
aatcccgtcc	ctactaaca	tacaaaaaat	tagccgggca	tgggtggcgc	tgccctgtagt	240
cccagctact	cgaggagctg	aggcaggaga	atggcgtgaa	cccgggaggc	ggasttgcag	300
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<210> 17302  
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 <212> DNA  
 <213> Homo sapiens

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gcttcatggt gtccctatgt ttctgagggc catc	

<210> 17303  
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 <212> DNA  
 <213> Homo sapiens

<400> 17303	60
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gggtgcagca ggcgcggggtc ctgactgcgt tcaggctctg ccggctctcc cactgagctc	240
ctttttctgt gccaggatct ggcctgggat ccccatggcg tttggtggcc ctgtcctgcc	300
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<210> 17304  
 <211> 108  
 <212> DNA  
 <213> Homo sapiens

<400> 17304	60
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cccggcacca tgccctggcta attttttctg ggtttttttt tttttttt	

<210> 17305  
 <211> 235  
 <212> DNA  
 <213> Homo sapiens

<400> 17305	60
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aaaggcacat aggaagtggc actttaaaac tttccaactc aggctgggcg tgggtggtca	180
cgcttgtaat ccagcactt tgggtgggca aggcgggcgg atcgcttgag gtcaggagtt	235
cgagacgagc cttgccaaca tggtgaaaca cgatgtctgc taataaaaaa aaaaa	

<210> 17306  
 <211> 158  
 <212> DNA  
 <213> Homo sapiens

<400> 17306  
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accaggctg gagggtctca ctgctgcctc aacctgtt 158

<210> 17307  
<211> 221  
<212> DNA  
<213> Homo sapiens

<400> 17307  
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ttaagtctt ttagattct gaatttagc cttttgtcag atggatacat tgcaaaagt 180  
ttctccatt ctgtaggtg cctgttcact ctgatgatag t 221

<210> 17308  
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<212> DNA  
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<400> 17308  
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ggttttttt ttttttttt 80

<210> 17309  
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<212> DNA  
<213> Homo sapiens

<400> 17309  
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caccatgtta gtcaggctg tcttgaactc ctgaactcag gtgatccacc cacctcggcc 180  
tccaa 186

<210> 17310  
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<212> DNA  
<213> Homo sapiens

<400> 17310  
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gctggagtgc aatgggtgtga tcacacctc ctgcagctc aacctccag gctca 115

<210> 17311  
<211> 259  
<212> DNA  
<213> Homo sapiens

<400> 17311  
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cgcgctgta atcccagcta ctccagaggg tgaggcagga gaatcacttg aaccccggag 180  
gcagaagttg cagtgaagcca aaatcgtgcc actgcactcc agcctgggca acagagcaag 240  
actttgaccc tcccctcac 259

<210> 17312  
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<212> DNA  
<213> Homo sapiens

<400> 17312 60  
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actactgacc tcaggtgatc tgtgtgtctt ggtcttccaa cgtgctggga ttataggcat 138  
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<213> Homo sapiens

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cttgcagttt tccaaatcat tctcttcttc tcaaccatgc tttgtatat tctatattct 187  
gtcgccg

<210> 17314  
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<212> DNA  
<213> Homo sapiens

<400> 17314 60  
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tggcttgaa ctctgactt catgtgatct gcc

<210> 17315  
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<212> DNA  
<213> Homo sapiens

<400> 17315 60  
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gagacagggt ttactatgt ttccaggct gctctcaaac tcctggactt aagggatctt 160  
cctgcctcag cctcccaaag tgctgggatt acagggtgta

<210> 17316  
<211> 79  
<212> DNA  
<213> Homo sapiens

<400> 17316 60  
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aaaaaaaaa aaaaaaaaaa

<210> 17317

<211> 229  
 <212> DNA  
 <213> Homo sapiens

<400> 17317	
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aaaaaatgca cagtgcagag agtgggagca atgccaaagg agaaggcatg cactagtact	180
ctctgacttg ggagtactag ggagggtccc tggccaggtt gggggaggt	229

<210> 17318  
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 <212> DNA  
 <213> Homo sapiens

<400> 17318	
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gaatggaatg gaatggaatg atacggaata gaatggaatg gaacgaaatg gaatggaatg	180
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<210> 17319  
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 <212> DNA  
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<210> 17320  
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ggtttttgta ttttttagtag agatgtgggt tcaccatatt ggccagggtg gtctcgaact	180
gctgacctca ggtgatccac ccactttgat ctcccaaagt gctgggatta taggcatgag	240
ccaccgcgcc cagcctcatt ttaataaatt aataaattct gctctctctg gaggtctaga	300
cctttgagaa ggcttaaaac aaaaaaggag gccaggcatg gggtcacgc ctgtaatccc	360
agcacttttg gaggcaagga ctgcaccag cctggcctct tttttttttt	410

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 <212> DNA  
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<400> 17321	
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acattctcag tttattggat atcccattac tctttttgtg gagaaggaaac gtgataaaga	120
agtaagcgat gatgaggctg aagaaaagga agacaaagaa gaagaaaaag aaaaagaaga	180
gaaagagtcg gaagacaaac ctgaaattga agatgttggt tctgatgagg aagaagaaaa	240

gaaggatggt gacaagaaga agaagaagaa ga

272

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<400> 17322  
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tctgtgaatg tcaaataagt ctattaggtc ttgagtgtag ttttaactctg aggtttcttt 180  
gttggtctta tgtttggttg atctgtccac tactgagtgc agtggtgaaa tcccctacta 240  
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tacttggtg ctccgatgtt ggggtgcatag atatttatag ntgttatatc ctcttgctga 360  
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<210> 17323  
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<212> DNA  
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<400> 17323  
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gattacaggc gtgagcactg tgcccagctg aaagtttcta catgcttctt tggaacccat 120  
ccct 124

<210> 17324  
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<212> DNA  
<213> Homo sapiens

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aaaaaaaaaa aaaaaaaaaa a 81

<210> 17325  
<211> 61  
<212> DNA  
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<400> 17325  
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t 61

<210> 17326  
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<212> DNA  
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<400> 17326  
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<400> 17327  
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 <213> Homo sapiens

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 ggctgggata cagaaggcta acagtacact ttatatgaga agagct 166

<210> 17329  
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 attaggtata tctcctaatt ctatccctcc cctctccccc cacia 165

<210> 17330  
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 gtcccagcta ttcagggggc tga 203

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 ctattaatct gcctcttggg ccctggcaga 90

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 <212> DNA  
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 tcatgccatg gggtttctgt ctggggtgaa a 151

<210> 17333  
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 <212> DNA  
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<210> 17334  
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 <212> DNA  
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 <212> DNA  
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 taggttagag tcaatccctc tgcaagagaa ggttttaggg gccaggcgca gtgtctcacg 180  
 cctgtaatcc cggcactttg gggggctggg gcggggcgat cacctgaggt cgggagttcg 240  
 ggaccggcct ggtcaacatg gtggaacccc gc 272

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 <212> DNA  
 <213> Homo sapiens

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 ttttt 125

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 ctgacctcaa gtcaggacct ccttggcctc ccaaagtgtt gggattacag gtggggagcca 240  
 cggcacc 248

<210> 17338  
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 <212> DNA  
 <213> Homo sapiens

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 <213> Homo sapiens

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<210> 17340  
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 <212> DNA  
 <213> Homo sapiens

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 gtttgagacc agcctgacca acatggtgaa acctcatctc tactaaaaat agaaaaatta 180  
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<210> 17341  
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 <212> DNA  
 <213> Homo sapiens

<400> 17341  
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 ccgaatgacc agtgggtcag ggaagaaatt aagagggaa 99

<210> 17342  
 <211> 102  
 <212> DNA  
 <213> Homo sapiens

<400> 17342  
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<210> 17343  
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 <212> DNA  
 <213> Homo sapiens

<400> 17343  
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 agtatctagg attataggca cctg 144

<210> 17344  
 <211> 167  
 <212> DNA  
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<210> 17345  
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 <212> DNA  
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 tgtagtaaag acgggggttc accatattag ccaggctggg cttgaactcc tgacctcatg 180  
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<210> 17346  
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 <212> DNA  
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<210> 17347  
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 <212> DNA  
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 aatacagtgc tggatgataa caagatgckk dcctggataa c 161

<210> 17348  
 <211> 318  
 <212> DNA

<213> Homo sapiens

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aagggccaca ggtaggcctg gctgacagc tctccccacg cactccctc agctgtgctg 180  
ccgggcttcg tcttctccg tcacccttta acatctggta gagcaatccg ggttgtgggc 240  
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<210> 17349

<211> 139

<212> DNA

<213> Homo sapiens

<400> 17349  
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gctcaaactc cagagaagg 139

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<211> 202

<212> DNA

<213> Homo sapiens

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gccgagattg cgccactgca gtccgcagtc tggcctgggc gacagagcga gactccgtct 180  
caaaaaaaaa aaaaaaaaaa aa 202

<210> 17351

<211> 131

<212> DNA

<213> Homo sapiens

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<211> 166

<212> DNA

<213> Homo sapiens

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<210> 17353

<211> 198

<212> DNA

<213> Homo sapiens

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tgacygtawt gggawtttaa wtagratccc yttccccccy cctttaatta attaatTTTA 180  
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<210> 17354

<211> 268

<212> DNA

<213> Homo sapiens

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atttcacata catatgttta catatttggt gttaagtTTT ttttctTTTT ttttwaatta 180  
wactttaagt yctgggatac atgtgcagaa agtgsrgttt gtwacatagt ksbacatgtg 240  
ccatggwggg ttgckgcacc catcaacc 268

<210> 17355

<211> 291

<212> DNA

<213> Homo sapiens

<400> 17355  
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ggaaagccga gagacctgc acctgcagaa ctgagtgtca gggcaaagga aaccctgccc 180  
ttacacnttc tgcaagaggg tcatgcatca tccatagggc tcgggatttc ctgcttaatg 240  
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<210> 17356

<211> 63

<212> DNA

<213> Homo sapiens

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<210> 17357

<211> 166

<212> DNA

<213> Homo sapiens

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actcgaaagc atattaggtg gatattggaa agccttttaa aaagtaatca ttgaggcagt 120  
caaataaagt aaaattaact tcagtctgag ttgtaataaa gacgct 166

<210> 17358

<211> 98

<212> DNA

<213> Homo sapiens

<400> 17358  
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tctgtagctc ccggcctctt gctgaccact ggaccaac 98

<210> 17359

<211> 126

<212> DNA

<213> Homo sapiens

<400> 17359  
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ggaacc 126

<210> 17360

<211> 223

<212> DNA

<213> Homo sapiens

<400> 17360  
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catgatacag tgaatatatgc caggaaaatg ttggacata caagtgtgta taggaatcct 120  
gaatgaggat aaattggcat ttattgtgga taaatgtgca aacctggttt aaaagttcca 180  
agtataggca aaattatttt ctgaccactt aactactcca agt 223

<210> 17361

<211> 201

<212> DNA

<213> Homo sapiens

<400> 17361  
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gagggttaaa aaaaaaaagt ctwagtkgag aactgwatyc tcaacttatt ttcaaccac 180  
magtgctctt gaagagtatg a 201

<210> 17362

<211> 106

<212> DNA

<213> Homo sapiens

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ttgaacacaa tgatgttgag gtaaaagggg ccctttcttc ttcttc 106

<210> 17363

<211> 132

<212> DNA

<213> Homo sapiens

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taccatgccc agctaattca gaaaaacccat gagccatctt tacacacatg gacatctgac 120  
 tgcacccacc ca 132

<210> 17364  
 <211> 51  
 <212> DNA  
 <213> Homo sapiens

<400> 17364 51  
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<210> 17365  
 <211> 199  
 <212> DNA  
 <213> Homo sapiens

<400> 17365 60  
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 ataaatgtca gtagtttgtt ggtcttcttc ttaaaggagg atcaagagaa gcagtacagc 199  
 atggcagact agaagcaat

<210> 17366  
 <211> 79  
 <212> DNA  
 <213> Homo sapiens

<400> 17366 60  
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<210> 17367  
 <211> 248  
 <212> DNA  
 <213> Homo sapiens

<400> 17367 60  
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 acacaaacaa cttgccaggg agattccac cactctcagc atctttgcat tgaattagca 240  
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 tccacact

<210> 17368  
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 <212> DNA  
 <213> Homo sapiens

<400> 17368 60  
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 gccttgccct ctcaagggtc tgggattaca ggcatgagcc actgtgccag ggtggctgct 144  
 ggggtggagta aagctaggac tgca

<210> 17369



<211> 128  
 <212> DNA  
 <213> Homo sapiens

<400> 17369  
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 caggtaatcc tcccacctcg gctcccaaaa atgctgggat tactggcgtg agccaccttg 120  
 cccggcct 128

<210> 17370  
 <211> 85  
 <212> DNA  
 <213> Homo sapiens

<400> 17370  
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 gactcgtct caaaaaaaaa aaaaa 85

<210> 17371  
 <211> 100  
 <212> DNA  
 <213> Homo sapiens

<400> 17371  
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 ccaggatggt cttgatctcc tgacctcgtg atccgccta 100

<210> 17372  
 <211> 98  
 <212> DNA  
 <213> Homo sapiens

<400> 17372  
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 gccaccatcc agatcagta gcagccatta acaaggag 98

<210> 17373  
 <211> 102  
 <212> DNA  
 <213> Homo sapiens

<400> 17373  
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 atattggtgt caggagata attttgcaa tggctgggga ta 102

<210> 17374  
 <211> 99  
 <212> DNA  
 <213> Homo sapiens

<400> 17374  
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 ggtatatctc ctaaagcaat cctcccccc tccccccac 99

<210> 17375  
 <211> 366  
 <212> DNA  
 <213> Homo sapiens

<400> 17375  
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 tttcaacact ttgggaggcc gaggtgggcg gatcacttga ggacaagagt tcaagaccag 180  
 cctggccaac atgatgaaac cccatctata ctaaaaatac aaaaattagc ctgggtgtgg 240  
 ggtgggtgcc tgtagcccca actactcagg aggtgaggc aggcgaattg cttgagtcca 300  
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 cgagac 366

<210> 17376  
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 <212> DNA  
 <213> Homo sapiens

<400> 17376  
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 aaaaagaaaa aaaagatacc attttaggct aagtgcgtta aaattcctac agccagaa 118

<210> 17377  
 <211> 148  
 <212> DNA  
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<400> 17377  
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 aaactcctgg gctcaagcaa tcctcckg 148

<210> 17378  
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 <212> DNA  
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<400> 17378  
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 catagcttag ctcccactta tgagtggaaa catgcgatgt ttgggtttcc attcctgtgt 180  
 tacttcactt agaataatgg ccttcaattt catccagggt gttgcagatg ctattaattc 240  
 attccttttt atggctgagt agctccgtga cctgtgtgtg tgtgtgtgca caagtgagt 300  
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<210> 17379  
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 <212> DNA  
 <213> Homo sapiens

<400> 17379  
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ttgagaccag cctgaccaac atggtgaaac tctgtctcta ctaaaaatac aaaaattagg 180  
 tgtggtggca cgcgcctgta atcccagcta ctcaggaggc tgaggcagga gaatcaccca 240  
 ggaggtggag gttgcagtga gccaaagatca catcattgca ctccagcctg ggt 293

<210> 17380  
 <211> 329  
 <212> DNA  
 <213> Homo sapiens

<400> 17380  
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 tcacctgagg ttgggagttc gagaccagcc tgaccaacat ggagaaaccc tgtctgtact 180  
 aaaaatacaa aaaaatttag ctgggtgtgg tggcgtgtgc ctgtaatccc agctacctgg 240  
 gaggtgagg caggaaaatt gccggaaccc aggaggcaga ggttgagggtg agccgagatc 300  
 gcaccaccgc actccagnnt gggcataca 329

<210> 17381  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 17381  
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 ggtttatttg ttttatatac tacaattttt atcattagaa ttacccttc tacttatgga 180  
 aaaacagtk aatctgtaca atagcctcaa 210

<210> 17382  
 <211> 217  
 <212> DNA  
 <213> Homo sapiens

<400> 17382  
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 gttgtaaatg ctagtaaatg taaagaaaag aattttcaac ccagaatttc acatccagcc 120  
 aaactaagct tcataagaga aggagaaata aaatccttta cagacaagca aatgctgagg 180  
 gatattgtca ccaccaggtt tgccttaca gagctcc 217

<210> 17383  
 <211> 83  
 <212> DNA  
 <213> Homo sapiens

<400> 17383  
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 aaggctaaga caaaccgcc aga 83

<210> 17384  
 <211> 202  
 <212> DNA  
 <213> Homo sapiens

<400> 17384

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 agctactcgg gaggtgagg caggagaatg gcgtgaaccc gggaagcgga gttgcagtga 120  
 gccgagattg cgccactgca gtccgcagtc tggcctgggc gacagagcga gactccgtct 180  
 caaaaaaaaa aaaaaaaaaa aa 202

<210> 17385  
 <211> 363  
 <212> DNA  
 <213> Homo sapiens

<400> 17385  
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 gttatcctga gggttaaagt gaatgtttga gattttatcg aatctacttt aagctttgtc 180  
 ttgagatct cttattttat tttatttttt ttaatatctt tttttattat actttaagtt 240  
 ctagggtaca tgtatacaac gtgcagggtt gttacatttg tatacatgtd ccatgttggt 300  
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 tca 363

<210> 17386  
 <211> 72  
 <212> DNA  
 <213> Homo sapiens

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 cccatagcag ct 72

<210> 17387  
 <211> 154  
 <212> DNA  
 <213> Homo sapiens

<400> 17387  
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 gcatgaagat ttaattttcc ctgtcacacc cgca 154

<210> 17388  
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 <212> DNA  
 <213> Homo sapiens

<400> 17388  
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 gattacaggc atgcgccacc atgctgggct aattttgtat ttttagtaga gacaggggtt 120  
 ctccatgctg gtcaggctgg tctcgaaact ctgacctcag gtgatcctct cacctcagcc 180  
 tcccaaagt gtaggattac aggcgtgagc tactgtgccc agccta 226

<210> 17389  
 <211> 198  
 <212> DNA  
 <213> Homo sapiens

<400> 17389  
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 gtgagagaat cacctgattc cgggagggtcg aggctgcagc agtgagccaa gatcatgctg 120  
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 gaaagattga gagagagc 198

<210> 17390  
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 <212> DNA  
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<400> 17390  
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 tacttttttt tttttttt 138

<210> 17391  
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 <212> DNA  
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<400> 17391  
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 gtccctcccc cagtccecca cccctt 146

<210> 17392  
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 <212> DNA  
 <213> Homo sapiens

<400> 17392  
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 agatgggcac taaaataaaa taaaataaaa taaaataaaa taaaataaaa tataaataaa 120  
 acaatctttt ttccctcccc ttggtctcgc tgtttcaggg ggctgcaaaa ggagttagac 180  
 cactgaactt cttgttctat ttaggaacaa tgttgacatt gggcgatttc tttatctgaa 240  
 gaatggggtc ttctcctcgc cca 263

<210> 17393  
 <211> 63  
 <212> DNA  
 <213> Homo sapiens

<400> 17393  
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<210> 17394  
 <211> 131  
 <212> DNA  
 <213> Homo sapiens

<400> 17394  
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catttttact tctattttca ggcagggtcaa agtaaaaatg aaaatttatg cttttacatg 120  
tcccaaggct c 131

<210> 17395  
<211> 214  
<212> DNA  
<213> Homo sapiens

<400> 17395  
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gatggatact tttgtatgta tgttggttgg agtttttatt atgaaaatgt atttacttct 180  
gttataggct ttttaataaat tttttgagag gata 214

<210> 17396  
<211> 275  
<212> DNA  
<213> Homo sapiens

<400> 17396  
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ggtgatccac ctgccttgcc ctcccaaagt gctgggatta cagtcagtag ccaccgcacc 180  
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ctttgcaggc tctggagtta gattkancgc accaa 275

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<211> 180  
<212> DNA  
<213> Homo sapiens

<400> 17397  
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taggaagcca ctcaaataag gcagacatgt tgcgttgccg ttaaaaaaaaa aaaaaaaaaa 180

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<212> DNA  
<213> Homo sapiens

<400> 17398  
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tatcttcag cccacgcac cccacaga 149

<210> 17399  
<211> 317  
<212> DNA  
<213> Homo sapiens

<400> 17399  
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gaaaacatat cctgattctt tctttgcatt tttcttcgct ctgcctccat tggagtatac 180  
 attttcatcc ttactgccat aagcttctaa cagggctcag agtttccacc ttgtccctca 240  
 ctcaccagct agaggccttt tgaaaagaag tcaggccact ttcctgctta aatcttccaa 300  
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<210> 17400  
 <211> 129  
 <212> DNA  
 <213> Homo sapiens

<400> 17400  
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 ccgcccaat 129

<210> 17401  
 <211> 233  
 <212> DNA  
 <213> Homo sapiens

<400> 17401  
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 gtttgagacc agcctgacca acatggtgaa acctcatctc tactaaaaat agaaaaatta 180  
 gctgggcatg gtggcgggca cctgtaatcc tagctactcg ggaggctggg gca 233

<210> 17402  
 <211> 261  
 <212> DNA  
 <213> Homo sapiens

<400> 17402  
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 ttaataaatg gcctgtgatt cttttttgaa agatgctctt ccacaagagt taagccagtt 180  
 agrtttctg tttctctctg ttgatatgag agaagatctc ctgtatttta acacgttttt 240  
 accaagaaag gtggcacggg t 261

<210> 17403  
 <211> 154  
 <212> DNA  
 <213> Homo sapiens

<400> 17403  
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 tagacatata tgatctaagg tattctggcc attcattagt gctaattgtt tgagaaacaa 120  
 gccagaaca aatgattaaa atgtaggcac catt 154

<210> 17404  
 <211> 186  
 <212> DNA  
 <213> Homo sapiens

<400> 17404

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<210> 17405  
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 <212> DNA  
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tgctaagtcc	aagttctttg	aggacagtga	ggatgagtca	gatgaggcgg	aggawkaaga	180
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<211> 98

<212> DNA

<213> Homo sapiens



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<400> 17469  
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 <212> DNA  
 <213> Homo sapiens

<400> 17470  
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 <212> DNA  
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<400> 17471  
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<400> 17472  
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<210> 17473  
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 <212> DNA  
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<400> 17473  
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 <212> DNA  
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<400> 17474  
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 ctgatgctcc tggcacgt 138

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<400> 17475  
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 <211> 178  
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<400> 17477  
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 <212> DNA  
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<400> 17478  
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<210> 17479  
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 <212> DNA  
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<210> 17485

<211> 180

<212> DNA

<213> Homo sapiens

<400> 17485

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<210> 17486

<211> 293

<212> DNA

<213> Homo sapiens

<400> 17486

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tgaaaatggc	tcttagcaga	gaggagagct	ggagagggga	caggatgggc	aggtcatctt	180
ccccgaagt	caggtcatct	cttccatagt	ccactgcctc	ttccctgaag	tttggccatc	240
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<210> 17487

<211> 241

<212> DNA

<213> Homo sapiens

<400> 17487

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tgtgcacatt	gtgcaggtta	gttacatatg	tatacatgtg	ccatgctggg	gtactgcacc	180
cactaactcg	tcattctagca	ttaggtatat	ctcccaaagc	tatccctccc	cccaccccc	240
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<210> 17488

<211> 138

<212> DNA

<213> Homo sapiens

<400> 17488

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<210> 17489

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<212> DNA  
<213> Homo sapiens

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cctcccacct gctacaggac ctgc 144

<210> 17491  
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<212> DNA  
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<400> 17491  
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gtggcagctc agtcctcctg caatacctca aactgcacaa ctaaatagtc agcatctgtt 180  
atactcccgc acat 194

<210> 17492  
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<212> DNA  
<213> Homo sapiens

<400> 17492  
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<212> DNA  
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<400> 17493  
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gcccttaacc aagcatatgt gggttttttt ggttgktttt ttttgttttt 110

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<212> DNA  
<213> Homo sapiens

<400> 17494  
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aacatcactt tggtagtgat att 143

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<212> DNA  
<213> Homo sapiens

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tttgctgttc tgcagcctcc gctgggtgata cccaggcaaa cagggctctgg agtggacctc 180  
cagcaaatta cagcagacct gcagcagacg ggca 214

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<400> 17497  
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<212> DNA  
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<210> 17499  
<211> 169  
<212> DNA  
<213> Homo sapiens

<400> 17499  
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ctacaggtgc tcaccacccat gcctggctat tttttttttt ttttttttt

169

<210> 17500

<211> 306

<212> DNA

<213> Homo sapiens

<400> 17500

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ccatgccccg	ctaatttttt	gtatctttag	tagagatggg	gtttcaccat	gttggccggg	180
ctgrwctcgg	gctcctgacc	tcwrgatccg	cctgcttttg	cctcccaaag	tgctgggatt	240
acaggcatga	gccaccgtgc	ccagctggat	tttgcttttc	aatttgatga	ctatgtwgca	300
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<210> 17501

<211> 354

<212> DNA

<213> Homo sapiens

<400> 17501

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ccgaggctgg	cggatcacct	ggggtcggga	gcttgagact	agcctgacca	acatggagaa	180
accccgctctc	cactagaaat	acaaaatgag	tcgggagtgg	tggcgcatat	ctataatccc	240
agctactcgg	gaggctgagg	caggaaaatc	gcttgaacct	aggakkcaga	ggttgcagtg	300
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<210> 17502

<211> 106

<212> DNA

<213> Homo sapiens

<400> 17502

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<210> 17503

<211> 140

<212> DNA

<213> Homo sapiens

<400> 17503

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<210> 17504

<211> 211

<212> DNA

<213> Homo sapiens

<400> 17504

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aatctttgtt acttttatgc tcattatttg ctattatwtw tattttwtatd tttttgagac 120  
agagtctcac tcttgtcacc caggctggag tgcagtgcgt gacctcatct cactgcaacc 180  
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<212> DNA  
<213> Homo sapiens

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ccgtaattta cttttttttt tttttttttt 90

<210> 17506  
<211> 242  
<212> DNA  
<213> Homo sapiens

<400> 17506  
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ccggctacag agtcagaggc cccgctgaag gaggatgggc ttttgcccaa accactctct 120  
tctgggggag aggaasaaga aaaaccccg ggcgaggctt ctgaggacct gtgtgagatg 180  
gccctggacc cagaactggt gcttctgagg gatgatggag aggaggagtt tgcaggagca 240  
as 242

<210> 17507  
<211> 99  
<212> DNA  
<213> Homo sapiens

<400> 17507  
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<210> 17508  
<211> 216  
<212> DNA  
<213> Homo sapiens

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atgcctttc tgtytgtag ttttccttct aacagacagg accctcagct gcaggctctgt 180  
tgagtagacc tgccctgtga ggtgtcagtc cgcctc 216

<210> 17509  
<211> 113  
<212> DNA  
<213> Homo sapiens

<400> 17509  
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<210> 17510  
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 <212> DNA  
 <213> Homo sapiens

<400> 17510  
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 aattacttcc caccaggacc ctccatgac atgtgggaag taattgaats acaggaatgg 120  
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<210> 17511  
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 <212> DNA  
 <213> Homo sapiens

<400> 17511  
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<400> 17512  
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 tctcctgtat ctcctcccag agtggctggg attacaggcg tgtgccacta tgtgtggctg 180  
 atttttgtga tgtga 195

<210> 17513  
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 <212> DNA  
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<400> 17513  
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 <212> DNA  
 <213> Homo sapiens

<400> 17514  
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 ggtaaaatga ttcctttttt tttttt 86

<210> 17515  
 <211> 236

<212> DNA

<213> Homo sapiens

<400> 17515

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actgagaggc	aagaatatga	atcacatggg	gaatcactga	cagcctcagg	tcctccttta	180
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<210> 17516

<211> 76

<212> DNA

<213> Homo sapiens

<400> 17516

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<210> 17517

<211> 176

<212> DNA

<213> Homo sapiens

<400> 17517

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agcctgagca	acaagagcga	aattccatct	taaaaaaaaa	aaaaaaaaaa	aaaaaaa	176

<210> 17518

<211> 286

<212> DNA

<213> Homo sapiens

<400> 17518

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agtgccatct	cggctccctg	caacctccgc	ctcccagggt	gaagcaattc	ttctgcgtca	120
gccttctgag	tagctggaat	tacaggcacg	tgccaccacg	cccgactaat	ttttgtattt	180
ttagcagaga	cggggttttg	tcatgttggc	caggctgggc	tcgaactcct	gacctcagcc	240
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<210> 17519

<211> 250

<212> DNA

<213> Homo sapiens

<400> 17519

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atagctggga	ttacagccat	atgctatcat	gcctggctat	tttttgattt	tttagtaaag	180
atggtttcac	cctgttggcc	aggctgggtc	cgaactcctg	acctcaagtg	atccaccoga	240
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<210> 17520

<211> 182

<212> DNA

<213> Homo sapiens

<400> 17520

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actctttgag gtatcatcat actgccttcc acaatgggtg aactaattta tactcccacc    180
tt                                                                    182
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<210> 17521

<211> 102

<212> DNA

<213> Homo sapiens

<400> 17521

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aaaagtaatt ctgttttaac ataactgact tgtaggtgaa cttctggaca acagtgtttt    60
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<210> 17522

<211> 156

<212> DNA

<213> Homo sapiens

<400> 17522

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tctgggtgct cctgtattgg gggcacatat atttaggata gtcagctott cttgttgaat    60
tgatcccttt accattatgt aatggccttc tttgtctctt ttgatctttg ttggtttaaa    120
gtctgtttta tcagagacta ggattgcaac ccttgc                                156
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<210> 17523

<211> 159

<212> DNA

<213> Homo sapiens

<400> 17523

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aggctgaggc aggagaatca cttgaacctg ggaggcggag gttgcagtga ttctccwgcc    120
tcagcctcct gagtagctgg gactacaggc acccacccc                            159
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<210> 17524

<211> 133

<212> DNA

<213> Homo sapiens

<400> 17524

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tcaaaattgc tgattgggag gccggctgca gtggcccggt cctgtagtcc tagcacttcg    60
agaggctgag gcaggatgaat tgcttgagct taggagtttg agaccagcct ggacaacaca    120
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<210> 17525

<211> 151

<212> DNA

<213> Homo sapiens

<400> 17525

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ttcagcactt taaatatgtc atgccactct a 151

<210> 17526  
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<212> DNA  
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tcaggtgac tgcccgcctg gc 82

<210> 17527  
<211> 86  
<212> DNA  
<213> Homo sapiens

<400> 17527  
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<210> 17528  
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<212> DNA  
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<400> 17528  
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gctcatctgc ttgcttgttt ttccagctgc ccgggtgtct tcttgatgca gtgtgccaag 120  
gtgaagagtm wtggttgag agaaggtggg aaa 153

<210> 17529  
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<212> DNA  
<213> Homo sapiens

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aatttgtgtt agttaattga accattttca tattagcaga tgagacctag aaaagggtctt 120  
agaacacata agttttgagc ttaatttctt tcttgaaacg gtgtatctca actctgtcac 180  
ctaggctgga gtgcagtggg gctttcatag ctactgcaa cctcaaactc ctcaactaaa 240  
tgatcctccc accccacccc ct 262

<210> 17530  
<211> 176  
<212> DNA  
<213> Homo sapiens

<400> 17530  
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cctgataaac aagaagataa taacaacagt ctccagcaag ccagagttgc aagggtatttt 120  
ggtggtggca cttttattct ttaggggtctt agggccacaa aaattcctca accaga 176

<210> 17531  
 <211> 190  
 <212> DNA  
 <213> Homo sapiens

<400> 17531  
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 ccgtgcccg ctaatttttg tatttttttag tagagawrgg gtttcaccac cttggccagg 180  
 cgcggtggct 190

<210> 17532  
 <211> 243  
 <212> DNA  
 <213> Homo sapiens

<400> 17532  
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 aattattatt cttttttatt ctggtaacat aacatagata aaatttacca tcttaactat 180  
 ttttaagtac ggttcagtgg tattaagtgc attcccacag ttgtgaacca ttatccccgt 240  
 ctt 243

<210> 17533  
 <211> 238  
 <212> DNA  
 <213> Homo sapiens

<400> 17533  
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 caggcaagtt ttctttgaac tgttgcaatg gtaatcaaaa tcattcacac atttttataa 180  
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<210> 17534  
 <211> 142  
 <212> DNA  
 <213> Homo sapiens

<400> 17534  
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 agagcatggc ggtttcaccg tcttggttag gctgggtctt aacacctgac ctgaggtgat 120  
 ccaccacct cggcctccct gt 142

<210> 17535  
 <211> 149  
 <212> DNA  
 <213> Homo sapiens

<400> 17535  
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 ataggtggag actgaaagcc taccattat 149



<210> 17536  
 <211> 139  
 <212> DNA  
 <213> Homo sapiens

<400> 17536  
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 gaggaatcac ttgaacccg 139

<210> 17537  
 <211> 53  
 <212> DNA  
 <213> Homo sapiens

<400> 17537  
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<210> 17538  
 <211> 164  
 <212> DNA  
 <213> Homo sapiens

<400> 17538  
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<210> 17539  
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 <213> Homo sapiens

<400> 17539  
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 tttcaatttg agattctaca gtaagcgttt tttttcttg aagatttatg atgcacttat 180  
 tcaatagctg tcagccgc 198

<210> 17540  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<400> 17540  
 aagattggcc gggcggtggtg gggggcgctt gtggtcccgg ctgcttgga gcctgaggca 60  
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 cactccagcc tgggcgacaa gagcgaaatt ccatcttggt gaaaaaagaa gtttccttca 180  
 gtgacggact gacagacccc acttatgatg gtcaggccat aagattgtaa tggagctgaa 240  
 aaatttctca cttcatgagt gaaagaagcc t 271

<210> 17541  
 <211> 139  
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<213> Homo sapiens

<400> 17541

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gatttttaaa agacactga	139

<210> 17542

<211> 79

<212> DNA

<213> Homo sapiens

<400> 17542

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<210> 17543

<211> 164

<212> DNA

<213> Homo sapiens

<400> 17543

ttggcataga ttsgwwtgca mtggawtgga atcaaccga gtacagggga atggaatgga	60
atggaatgca atggaatgga atcatccgta atggaatgga aaggaatgga atggaatgga	120
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<210> 17544

<211> 182

<212> DNA

<213> Homo sapiens

<400> 17544

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aagcaaaaac atagagaatt actttatgtg tctggtttta caagcaattt tgggttgga	120
tttagagtat gtgacaagga gcatctggga aaagatcaat taggaggctt tttttttt	180
cc	182

<210> 17545

<211> 86

<212> DNA

<213> Homo sapiens

<400> 17545

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<210> 17546

<211> 133

<212> DNA

<213> Homo sapiens

<400> 17546

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aacatccgcc ccccggttc acaccattct cctgcctcag cctcccagat agctgggact	120

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133

<210> 17547  
<211> 122  
<212> DNA  
<213> Homo sapiens

<400> 17547  
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caattctcct gctcagcct cccgagtagc tgggrstaca gacgcatgcc accacaccg 120  
gc 122

<210> 17548  
<211> 93  
<212> DNA  
<213> Homo sapiens

<400> 17548  
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gagtgcaggg gaatggaatg gaatggaatg cta 93

<210> 17549  
<211> 216  
<212> DNA  
<213> Homo sapiens

<400> 17549  
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ggctggagtg caatcatgtg atctcagctc actgcaacct ctgcctccct ggttcaagcg 120  
attctcctgc ctcagcctcc tgagtagccg ggtatgggtg cgcattgctg taatcccagc 180  
tactcaggag gctgaggcag gagaatcgct tgaacc 216

<210> 17550  
<211> 130  
<212> DNA  
<213> Homo sapiens

<400> 17550  
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catcccccat ctcaccattc tgccccagcg ccttggtatcc tgcctctacc acttcttccc 120  
tgcagcgttg 130

<210> 17551  
<211> 120  
<212> DNA  
<213> Homo sapiens

<400> 17551  
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cctaccctaa ggatgtggtc caaaaactgt ctaggatgat caattttttt tttttttttt 120

<210> 17552  
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<213> Homo sapiens

<400> 17552  
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 gcaccactgc actcc 135

<210> 17553

<211> 125

<212> DNA

<213> Homo sapiens

<400> 17553  
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 ggctgaggca ggagaatggc ataaaccag gaggcggagg ttgcagtggag ctgagatcac 120  
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<210> 17554

<211> 239

<212> DNA

<213> Homo sapiens

<400> 17554  
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 aggmwaggagg aactgagaag aatgtgattt aacattctgc ctaagggaat gagggagtdt 120  
 tcacagaaga gmwgataaaa mtggaagctt agacaattac acaaggacat aatatataca 180  
 aatcarrtta ttaattcaga atcacaaaaat gttttttgtc ttctgtcaac tgatgmwgg 239

<210> 17555

<211> 101

<212> DNA

<213> Homo sapiens

<400> 17555  
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<210> 17556

<211> 91

<212> DNA

<213> Homo sapiens

<400> 17556  
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 ttcattcatt tcattctcca ttgctgatac c 91

<210> 17557

<211> 221

<212> DNA

<213> Homo sapiens

<400> 17557  
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 ctaagtgacc ctgagtaagt cacttaccct gtctggggct cagtttcatc atgtataagt 120

gaggggtgttg gtcagtaatt ttcaaaactga agttcaaaga ctatcttgag ttcttgtttt 180  
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<210> 17558  
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 <213> Homo sapiens

<400> 17558  
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 tttggwgggtc aagggtgaga ccaccctrtc ccccgaccct gcatcaccca cactaagcca 120  
 tcctctccca aggattccat gacatcattg gcccaaawwg tgggtgctgc caccgtcttc 180  
 caagaagggtg aacccatccc cctcttc 207

<210> 17559  
 <211> 114  
 <212> DNA  
 <213> Homo sapiens

<400> 17559  
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 aaatcttgcc atctgattta gaaagggtgtt ttttcttctt cttctttttt tttt 114

<210> 17560  
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 <212> DNA  
 <213> Homo sapiens

<400> 17560  
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 cttrttaata ataacattaa tgtaaataga ctgaattgtc cattcgagat gtagagtggc 180  
 tgaatgaata agaaaataat accaaatgat ctatt 215

<210> 17561  
 <211> 99  
 <212> DNA  
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<400> 17561  
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 caagatagca cactgcata gaagcctggg tgacatagt 99

<210> 17562  
 <211> 108  
 <212> DNA  
 <213> Homo sapiens

<400> 17562  
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 cctcctgtgt agctgggact acaggcacat gccagccaca cccggcca 108

<210> 17563  
 <211> 255

<212> DNA  
<213> Homo sapiens

<400> 17563  
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tctcattggt caattcccac ccatgagtga aaacaatgca gtgtttgctt tcctgtcctt 120  
gcgacagttt gctcagaatg atgggtctcca gcttcatcca tgtccctgca aaggacatga 180  
actcatcctt ttttatggct gcatagtatt ccatggtgta tatggataaa gctggaaaca 240  
atcattctca gcaaa 255

<210> 17564  
<211> 121  
<212> DNA  
<213> Homo sapiens

<400> 17564  
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ccctgtaaat gcctaataccc aaacctgggc aacataggga gaccttgtct ctacaaaaaa 120  
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<210> 17565  
<211> 110  
<212> DNA  
<213> Homo sapiens

<400> 17565  
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gttctctacc tcggatgtgc ttcttcagcc cacagaatcc tagtccgtgt 110

<210> 17566  
<211> 67  
<212> DNA  
<213> Homo sapiens

<400> 17566  
accagcata tgtattggga tagcttctga tagagtaatt tcctgggtcc tgtgggcatt 60  
ttttttt 67

<210> 17567  
<211> 155  
<212> DNA  
<213> Homo sapiens

<400> 17567  
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attcctccac ctgtttccta catatcactc cctgcttttc tacacagaaa cagtgtttgt 120  
ttggttgttt ccatttkgcc ccctttccca sgctt 155

<210> 17568  
<211> 261  
<212> DNA  
<213> Homo sapiens

<400> 17568

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 acgtgcctst ngtcccagtk actcgggagg ctgaggcagg agaattctct gcacccagga 180  
 ggcggaggtt gcggtgagta gagatcatgc cactgtactc tagcctgggc aacagaatga 240  
 gactccctct caaaaaaaaa a 261

<210> 17569  
 <211> 148  
 <212> DNA  
 <213> Homo sapiens

<400> 17569  
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 tgacatgaca gctcttctgg accacatt 148

<210> 17570  
 <211> 108  
 <212> DNA  
 <213> Homo sapiens

<400> 17570  
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 tatcgtcttt gaagatgaaa gtgaactatt tggatgaacct cccaactc 108

<210> 17571  
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 <212> DNA  
 <213> Homo sapiens

<400> 17571  
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<210> 17572  
 <211> 105  
 <212> DNA  
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<210> 17573  
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 aggetcaa atccgctggc ctcccagaca cctcctcctg ggaatccagg aggcacccca 180  
 acttaacatg atcattgagg aaccctcgat gtcttctgc acccctct 228

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 <211> 220  
 <212> DNA  
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 gaggcaggag aatcacndga acccaggagg tggaggttgc agtgagccaa gattgcacca 180  
 ctgcccctct caaaaaaata aaaaataaaa aaataaattc 220

<210> 17575  
 <211> 248  
 <212> DNA  
 <213> Homo sapiens

<400> 17575  
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 atgcgcctac tgcactccag cctgggtgac agagcgagac tccgtctcta aaaaatttaa 180  
 aaaatttaaa gtgccagagg tggttagaca cccccgtttt ccactcctgt cctctctgag 240  
 gtccccac 248

<210> 17576  
 <211> 114  
 <212> DNA  
 <213> Homo sapiens

<400> 17576  
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<210> 17577  
 <211> 204  
 <212> DNA  
 <213> Homo sapiens

<400> 17577  
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 ggtttgctgc acagatcaat ccaacaccta ggtataagca cagcattcct tagctattct 180  
 taatgctctc cctctctcca cccc 204

<210> 17578  
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 <212> DNA  
 <213> Homo sapiens

<400> 17578  
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<210> 17579  
 <211> 219



<212> DNA  
 <213> Homo sapiens

<400> 17579  
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 acaagggagg tggccgagag ggcctaagaa gtgacttgat ttttttattt ttattttattt 180  
 gttttatttt ttgagatgga gtctctctct gtcgcccac 219

<210> 17580  
 <211> 304  
 <212> DNA  
 <213> Homo sapiens

<400> 17580  
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 tgtatgtttt ttaaataaagc tttttgtaag atgaaaataa tgcccttttg attatgcagt 180  
 attttcttgt ttgcttagag acataaagaa catttaaaact gtcagttatt ataatgacaa 240  
 gaggtattcc tgatcagtaa gagaagttat cactgaagac atttctgatt tcaactgccc 300  
 gact 304

<210> 17581  
 <211> 187  
 <212> DNA  
 <213> Homo sapiens

<400> 17581  
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 tcacagacat ctttaaaaaa gaagctaaga gggacttgga aatccgaaaa caagacacca 120  
 agtccccaaag acccctgac caggagctca gcgacgagga cccctctggc cagctactga 180  
 taccccc 187

<210> 17582  
 <211> 171  
 <212> DNA  
 <213> Homo sapiens

<400> 17582  
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 aatggtTaaa attgtaaatc ttacatatat ttaccatag taaaaaatga attaggctgg 120  
 gccatggct cgcgcctgca atcccagcac tttgggaggc tgaggcagac c 171

<210> 17583  
 <211> 133  
 <212> DNA  
 <213> Homo sapiens

<400> 17583  
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 tttgcagtat tct 133

<210> 17584

<211> 91  
 <212> DNA  
 <213> Homo sapiens

<400> 17584  
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 aagcaagaga acaaaatgag aagagaccac g 91

<210> 17585  
 <211> 255  
 <212> DNA  
 <213> Homo sapiens

<400> 17585  
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 ctttttaaag agtggtgtgc tggtttttac actgttggtt gctgggacta gaactctgca 180  
 aatcacattt ctcccttgtc agctggctgg cctgtaggga ctactaaagg cagattgtag 240  
 ggctagaaga gacat 255

<210> 17586  
 <211> 170  
 <212> DNA  
 <213> Homo sapiens

<400> 17586  
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 ttccctttcg ccgaaagacc gaggtttccc gggcgatgcc aatcagcccg gggtagtcg 120  
 agtcctaart ctcacccgaa cggagcaggc gatggcagat gaggttaatt 170

<210> 17587  
 <211> 163  
 <212> DNA  
 <213> Homo sapiens

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<212> DNA  
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gagggcc 128

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<212> DNA  
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<210> 17593  
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<212> DNA  
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<212> DNA  
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<212> DNA  
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acattagccg ggtatggtgg cgtgctgttg tratccagc tactcaggag gctgaggcaa 180  
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<212> DNA

<213> Homo sapiens

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ataaaaatta gttattttctg aattgaatgg acttttaaaa gattatactt gtgcccata	180
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<211> 50

<212> DNA

<213> Homo sapiens

<400> 17601

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<210> 17602

<211> 157

<212> DNA

<213> Homo sapiens

<400> 17602

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<210> 17603

<211> 124

<212> DNA

<213> Homo sapiens

<400> 17603

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<210> 17604

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<212> DNA

<213> Homo sapiens

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<210> 17605

<211> 87

<212> DNA

<213> Homo sapiens

<400> 17605

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87

<210> 17606

<211> 189

<212> DNA

<213> Homo sapiens

<400> 17606

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ataacacttt cacatcatct ttgacttca ctatggaaag gagcaggaat aggagaaaag	180
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<210> 17607

<211> 162

<212> DNA

<213> Homo sapiens

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<210> 17608

<211> 139

<212> DNA

<213> Homo sapiens

<400> 17608

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<210> 17609

<211> 136

<212> DNA

<213> Homo sapiens

<400> 17609

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tgctgggtgcg ctgcacccac taatgtgtca tctagcatta ggtatatctc ccaatgctat	120
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<210> 17610

<211> 105

<212> DNA

<213> Homo sapiens

<400> 17610

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<210> 17611

<211> 215

<212> DNA

<213> Homo sapiens

<400> 17611

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cttgtcccc	agaccccgtc	cctgtgtctg	ggcaaaggca	cgccccgctc	caggtcggcc	180
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<210> 17612

<211> 98

<212> DNA

<213> Homo sapiens

<400> 17612

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<211> 255

<212> DNA

<213> Homo sapiens

<400> 17613

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aagttttagg	gtacatgtgc	acaatgtgca	ggtttggtac	atatgtatac	atgtgccatg	180
ttggtgtact	gcacccatta	actcgtcatt	tagcgtagg	tatatctcct	aatgttatcc	240
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<210> 17614

<211> 170

<212> DNA

<213> Homo sapiens

<400> 17614

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<210> 17615

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<212> DNA

<213> Homo sapiens

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<210> 17616

<211> 237

<212> DNA

<213> Homo sapiens

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cgggtgtkct atcatgttag ccaggatggt ctccatctct tgacctcgtg atccaccac 180  
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<400> 17617  
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cacga 125

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<211> 269  
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agatatcata gacaattaac atccttggag tctgtagtct ttgaatgcag aagggaaaat 240  
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<212> DNA  
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gccatgctgg tgtgctgcac ccactaactc gtcatctagc attaggtata actcccgatg 180  
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tgtaacaatg gcgaccac 139

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 agaaagactg agcacagttg catatgggag tggagctcct tgtgatgttt tagtgattaa 180  
 ataggtgaca gctaggaagg gtgatcactt ggctttgtgg caagagggtt gtctctgagc 240  
 gtttctcagc acctggtagg cttcttcctg tattaggaca acttcacacc aagattcctt 300  
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 ccatgagaag atgaatcca aaacacataa tcatcagatt 220

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 <213> Homo sapiens

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 actaaaagaa tgtattccaa aaggaacctat gagtaatcct gactacagaa tctaattgcgt 180  
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 cacaacgtgc aggtttgtta catatgtata catgtgccat gttggtgtgc tgcacccatt 180  
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<212> DNA  
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189

&lt;210&gt; 17648

&lt;211&gt; 174

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 17648

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tgggggaaga tctttattac tgatcaagat agcagttcta aatgccatgt gaacttgga	120
caatatatgt gagaattata tctcacttaa ggtgccggga actctttttc tttt	174

&lt;210&gt; 17649

&lt;211&gt; 122

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 17649

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atgtttctgt atgatgttta aaagcaactt cttatttgct ttccacacat tgattttgcc	120
tt	122

&lt;210&gt; 17650

&lt;211&gt; 121

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 17650

aaaggtaaag asycatgtgg agcatcctgt gggcgcttg acggggcagc aggagggacc	60
tactgcaggg tattcgcaga caccaaggcc cagcttgcc ttcattgcag ctttttcctt	120
t	121

&lt;210&gt; 17651

&lt;211&gt; 59

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 17651

agtttaacca tttttttaaa cacgactgac cagtgtagaa aatgaaaaca cccagtttt	59
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&lt;210&gt; 17652

&lt;211&gt; 54

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 17652

ggtccatctg tcttacagtg aagtgtgtta gcatttcaga ggtcattctt tttt	54
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&lt;210&gt; 17653

&lt;211&gt; 374

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 17653

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cctgctcata	gataaagca	tgagagtgtt	gtagcaata	cgtctgaatg	tccagtttac	180
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tccaaatctc	tagtctttca	aattgttcag	aatctctgca	aaagtttcta	actaatctta	300
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atccacacac	cacg					374

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 <212> DNA  
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ggcatgtgcc	actgcacctg	gctaactgtt
gtatttcttt	cctttttttt	tttt
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 <212> DNA  
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cctagcta	at	ttttttagt
tttagtagaa		120
cgggtgtttc	atcatgttag	ccaggatggt
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atgaattcga	atggcaatca	gcattttcct
taaggaatat	agtagattta	attacataaa
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tacctcgcc	tama	
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aagcctgggt cttgtggcag atgacgaaca agtcattcta cagaaggcgg cctta 175

<210> 17660  
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<212> DNA  
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ggtacttgcg tdgtactgaa tttgggtttc aaatattagt acaatccage tatctgaaga 180  
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<210> 17661  
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<212> DNA  
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<400> 17661  
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gccaaaccaag caccggtccc tgcctt 86

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<211> 161  
<212> DNA  
<213> Homo sapiens

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gatcggacca ctgcactcca actccagcct gggtagacaga gtgagastct tgtctcaaaa 120  
aacaaaaaca aacaaacaaa cagaaaaagt aaccctggca a 161

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<212> DNA  
<213> Homo sapiens

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ttgcagtbca gaaatattaa agtgcctcaag gcctc 95



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 <212> DNA  
 <213> Homo sapiens

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 waatttttgt attttagtag agatggcgtt ttgccatatt ggctaggctg gtctcaaact 180  
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 ccaccaccg 249

<210> 17665  
 <211> 68  
 <212> DNA  
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 cccgcac 68

<210> 17666  
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 <212> DNA  
 <213> Homo sapiens

<400> 17666  
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 aagcagactt tctggcagta ccttgcccta tggcttagga taaagaacaa agaaaccagt 180  
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<210> 17669

<211> 249  
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 ctgtaatccc agcacttagg caggcggatc accaggttag tagtttgaga ccagcctgac 180  
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 tgcacaggat tttgtgtgga tgtctgtttt taattatcct gggatatata ctaggactgg 180  
 aattgtaggt tatatggtcg gtctatatta aaaccagaca tccacacaaa atcctgtgca 240  
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<400> 17671  
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<400> 17672  
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<210> 17674  
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ctatggaaac aaagatgaaa ttactcaaac ctatactatt ttgatgagtc gctcatttca 180  
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taaaaattct	agaagaagg	ctaggaaaat	ctcttttgga	ctttggttca	ggcaaataat	180
ttatgactaa	aacctcaaaa	gcaaatacag	caaaaacaag	aaaagacaaa	tgagattttt	240
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		ggasycttc
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 ggaagggcat tttatgctct gacagctaca agagcagagt cagagatatt tgtaactccc 240  
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 <212> DNA  
 <213> Homo sapiens

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<210> 17694

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 aatctaagaa aggcactact tttggagaat ggggtgcagag gacactcca cgaagcttgg 240  
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 <212> DNA  
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<212> DNA  
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ccgtaattta ctttttttt 79

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aatccgaatg taatggaatg gaatggaatg gaatggaatg gaatggaatg gaatggaatg 180  
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<210> 17724  
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<210> 17725

<211> 122

<212> DNA

<213> Homo sapiens

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<211> 132

<212> DNA

<213> Homo sapiens

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<211> 168

<212> DNA

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<211> 428

<212> DNA

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<211> 209

<212> DNA

<213> Homo sapiens

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<211> 160

<212> DNA

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<211> 161

<212> DNA

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<210> 17732

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<210> 17733

<211> 204

<212> DNA

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<212> DNA

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<212> DNA

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<210> 17742

<211> 132

<212> DNA

<213> Homo sapiens

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<211> 139

<212> DNA

<213> Homo sapiens

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cgcttgagcc tgggagacag aggttgcaga gagctgagag cacaccammg tactccagcc 180  
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<210> 17745

<211> 229

<212> DNA

<213> Homo sapiens



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00420" 666T560

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189

&lt;210&gt; 17767

&lt;211&gt; 165

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 17767

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&lt;210&gt; 17768

&lt;211&gt; 250

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 17768

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&lt;211&gt; 104

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 17769

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&lt;210&gt; 17770

&lt;211&gt; 117

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 17770

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&lt;210&gt; 17771

&lt;211&gt; 121

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 17771

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&lt;211&gt; 138

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<213> Homo sapiens

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<211> 208

<212> DNA

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;211&gt; 129

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;213&gt; Homo sapiens

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&lt;211&gt; 201

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 17821

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ctg 123

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<212> DNA  
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aaccagcctt gcatcccagg gatgaagccc acttgatcat ggtggataag ctttttgatg 180  
tgctgctgga ttcggtttgc cagtatttta ttgaggattt ttgcatcatt gttcatcaag 240  
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acaaggga 129

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<212> DNA  
<213> Homo sapiens

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<210> 17837  
<211> 309  
<212> DNA  
<213> Homo sapiens

<400> 17837  
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gcctcagcct	cccaagtagc	tgggattaca	ggcatgcgcc	accatgcctg	gctaattttg	180
tacttttagt	agagatgggg	tttctccatg	twgggccagt	tgggtcttgaa	ctcctaactt	240
caggtgatcc	tcccaccctg	gactcccaa	atgctgggat	tacaggtgtg	agccactgtg	300
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<210> 17838  
 <211> 161  
 <212> DNA  
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gcagccggg	ttcacaccat	tctctgcct	cagcctccg	a		161

<210> 17839  
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 <212> DNA  
 <213> Homo sapiens

<400> 17839						
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<210> 17840  
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 <212> DNA  
 <213> Homo sapiens

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<210> 17841  
 <211> 162  
 <212> DNA  
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<400> 17841						
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<210> 17842  
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 <212> DNA  
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<400> 17842						
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<210> 17843  
 <211> 78  
 <212> DNA  
 <213> Homo sapiens

<400> 17843  
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 gaaatccttt tttttttt 78

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 <212> DNA  
 <213> Homo sapiens

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<210> 17845  
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 <212> DNA  
 <213> Homo sapiens

<400> 17845  
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<210> 17846  
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 <212> DNA  
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<400> 17846  
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<210> 17847  
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 ggaggcgga gttgcagtag tgcaatctcg gctcactgca acttccgcct cccagggttca 180  
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<210> 17848  
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<212> DNA  
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<212> DNA  
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aaaaatctct cagcatttgc ttgtctgtaa aggattttat atctccttca cttatgaagc 180  
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ttggccccctt c 251

<210> 17850  
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<212> DNA  
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<400> 17850  
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taagaatttt ttttttttca gttataatgg ttactttttt aaattttatt attattatac 180  
tttaagtttt aggttacatg ggcacaaatgt gcagggttagt tacatatgta tacatgtgcc 240  
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tcccaccccc ctc 313

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<212> DNA  
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<210> 17852  
<211> 132  
<212> DNA  
<213> Homo sapiens

<400> 17852  
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cacttatcag tagtagtagc agtagtagta atagagctgt tttttctttt ttttttttyc 120  
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 <211> 182  
 <212> DNA  
 <213> Homo sapiens

<400> 17853  
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 gttggaagga agttgtccat tttaaatcct ctgaatatgg ctaaccagtt atcctaggta 180  
 cc 182

<210> 17854  
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 <212> DNA  
 <213> Homo sapiens

<400> 17854  
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 caccatgttg gtcaggctgg tctcaaactc ctgacctgaa atgatccacc cacctcggcc 180  
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<212> DNA  
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ttagccttat agacattgcc aaattgctct tcaaagtaaa tgtgagtttt tgtgaattac 180  
atgagtatgg aatgggtgtt tattatgact ttagtttgca ttttctcaa ttctcgtaa 240  
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cagccctata ttctaatagt ttttatttat tatgtttatt taaaattttt catctgtctc 180  
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<212> DNA  
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gcacccctta actcgtcatt tagcattagg tatactctct aacgctatcc ctccccctc 180  
ccccaac 187

<210> 17861  
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taccgggc 188

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<212> DNA  
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<400> 17862  
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tatacaaaaa ttagctgggc gtgggtgggtg gtgcctgtaa tcccagctag ttaggaggct 120  
gaggcaggag aatcacnhga acccaggagg tggaggttgc agtgagccaa gattgcacca 180  
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<211> 347  
<212> DNA  
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<400> 17863  
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<212> DNA  
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accagcctg gatgtgggca tctttaaggg gtccattatt ctgctactac aggggcctac 180  
ggccatggag tggatggtaa cttgcccatc ataaagacta ggtcctattg ctgaggtggt 240  
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<212> DNA  
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004220" 666E7560

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gaccttcaca	aaaaacgatt	tgaaaaagtt	ggTTTTtagtag	gatgaaagga	attaaagtta	300
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atacttttaa	aaaaatcaga	ctattgcaca	gaactctaga	tttcaggctt	ctcttgaagt	240
cagatctaac	aactctgacc	ctgaatccca	cccacatggc	aataatttat	tacaatggag	300
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aaagacaaaa	ctcctcacca	tggtgtgtc	ccagccccag	gtggctgcag	actccagcca	169
ctctgacatt	cttcagttc	cttgaaggg	agttgctccc	ctacctgca		

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tgggggacag agtgagactc caactcaaaa aacaaaaaaa caaacaaaa aacaaacaaa 180  
gaaatcattt cgaggccat 199

<210> 17874  
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<212> DNA  
<213> Homo sapiens

<400> 17874  
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aaaggaact 69

<210> 17875  
<211> 151  
<212> DNA  
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aa 182

<210> 17877  
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<212> DNA  
<213> Homo sapiens

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<210> 17878  
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 <213> Homo sapiens

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 ttgggaggcc gaggcgggtg gatcatgaag tcaggagatc aagaccagcc tggctaacac 180  
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 <212> DNA  
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<210> 17881  
 <211> 171  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 274

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<400> 17886

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ccacaggatt	gtaccaccac	actcggaaaa	ttttgtgtgt	tttggtagag	atgggtgttc	300
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<210> 17887

<211> 176

<212> DNA

<213> Homo sapiens

<400> 17887

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caggggtgcat gcgatgagtt ttgcttgccg gcatagataa acttgactat gtctgttcta 180  
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<212> DNA

<213> Homo sapiens

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ctctcctgcc tcagtctccc gactacctgg gactacaggg accatgcctg gctaattttt 180  
tatattttta ttagagacag gttttcatag tgtagacag gatgggtgtc gtctcctgac 240  
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<210> 17891

<211> 195

<212> DNA

<213> Homo sapiens

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cccgtcatct aggttttaag ccccatatgc attaatgatt tgcctaattg ctctccctct 180  
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<212> DNA

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<212> DNA

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<212> DNA

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125

gaaat

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&lt;211&gt; 275

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 17919

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&lt;210&gt; 17920

&lt;211&gt; 93

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 17920

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&lt;210&gt; 17921

&lt;211&gt; 267

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 17921

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&lt;210&gt; 17922

&lt;211&gt; 224

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 17922

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&lt;210&gt; 17923

&lt;211&gt; 200

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 17923

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<211> 56  
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 caaggaggtt tattgtgagg ttaaaatggg ccactctctg gccatcctag gaaaaaaaaa 180  
 aatcgttgta tagyccatgg gctggattaa ggmccggacs 220

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 aggctgaggc aggagaatcg cctgagcctg ggaggcggag gttgtagtga gcygagatca 180  
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acaagatttc accatggtgc ccaggctggt cttaaacttc taggctcaag gggccgcct 180  
gccttgcccc tccaaagtgc tgaaattaca ggcgtgcgtc actgcaaaaa ataaaaaatn 240  
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tggcgtgaac ctgggandcg gasttgcagt gakhcgagtn kcaccac 347

<210> 17945  
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tattttattt tattattatt atactttaag ttttagggta catgtgcaca atgtgcatgt 180  
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<212> DNA  
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gcaatcctcc cacctca 137

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164

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acagtttcaa agtkgctttc acattttcag gtatcttca 159

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nmcaagcacg tgccaccraa cccagctaatt tttkgwattt ttagtagaga magggtttca 360  
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 aaaaatacaa aaactagcca agcgaggtgg ctgacgcctg taatcccagc taccggggag 240  
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<400> 17958  
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 ctcttggtct tctaattcac tgatggac 148

<210> 17959  
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<210> 17960  
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 taagttacta ttgactatag ccatcctatt atgctatcaa atagtaggtc ttattcattc 180  
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<210> 17961  
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<400> 17961  
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 caggatggga cgggacaggg ccatggggtg tttaggaaaa ggcagtattc gggcgggaaa 180  
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<210> 17962  
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<400> 17962  
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<210> 17963  
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 agacacatgg cattaaatta aactaaaaag cttctgcaca gcaaaggaaa caatcaagag 240  
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<210> 17964  
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<210> 17965  
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<212> DNA  
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ttttccagcg tcagttggaa tgatcatatg gtttttgtcc ttcattctgt gatgtgatgt 240  
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<210> 17968  
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<400> 17968  
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<210> 17969  
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<400> 17969

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agca 124

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aactagttta cagtcccacc aacg 144

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110

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<213> Homo sapiens

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 <212> DNA  
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<210> 17993  
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 agagagagtg tgtgtatgtg tgcacatgtg tgkgagtgtg agcgagagtg tgtgtgtgtc 180  
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 tgcggg 186

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<210> 17996



<211> 163  
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 aatccaatcc attaacaggc aactgcagcr gaacaatttt cagaattgct aaaacacgag 180  
 aggaaacaga acc 193

<210> 17999  
 <211> 107  
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<400> 17999  
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<210> 18000  
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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<210> 18008  
<211> 193  
<212> DNA  
<213> Homo sapiens

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gggcttttct aatatacagt ttgtattgta tatctaagat cacctcccca accaatcttt 180  
gggacacttg gct 193

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<211> 147  
<212> DNA  
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ggaaggaagg gaagaaagaa gaggtak 147

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<212> DNA  
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<210> 18012  
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<212> DNA

<213> Homo sapiens

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<210> 18013

<211> 97

<212> DNA

<213> Homo sapiens

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<210> 18014

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<212> DNA

<213> Homo sapiens

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 aatagtatga aatgtahmtt gtaaaacctc taccctttta atgttttacc tcagcaccac 180  
 aagacagggg gagaaaatag aaaaataaac aaacaaaaat acatgtttca cttcttggtt 240  
 tttctaactg tggtcagtgt cagcatgatt tttcatccct ggaaaccaca gatcagcctc 300  
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<210> 18016

<211> 174

<212> DNA

<213> Homo sapiens

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<210> 18017

<211> 238

<212> DNA

<213> Homo sapiens

<400> 18017

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ggagtgcagt	ggcgcagtct	cggctcgctg	caacctctgc	cgcccgagtt	gaagcaattc	180
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<210> 18018  
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 <212> DNA  
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cacccaggct	ggagtgcagt	ggcgtgatct	tggtcactg	caacctccac	ctcgcggtt	240
cgagcaattc	tcctgcctca	gcctcccag	tagctgggac	taccggtggg	tgccaccag	300
cccagctgat	ttttgtattt	ttagcagagg	tgaggtttca	ccatgttgac	cgggatggc	341
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<210> 18019  
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ggtgggagga	ttgtttgaat	ctaggatttg	aaggttacag	ctatgattgt	gccactgcac	193
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<210> 18020  
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 <212> DNA  
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<400> 18020						60
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<210> 18021  
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gcgtcattgc	actccagcct	ggaagacaga	gtgagactct	gtctcaaaaa	aagaaaaaaa	187
aaaaaaa						

<210> 18022  
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 <212> DNA  
 <213> Homo sapiens

<400> 18022  
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 agaaatgagc taaaattttc ctgtgcattt gtttgtttat cactagtcta aaatattgct 180  
 tggttgggga ggggtgttga tgttatgtag tagctttcat tttgagagga gasagasaga 240  
 ag 242

<210> 18023  
 <211> 107  
 <212> DNA  
 <213> Homo sapiens

<400> 18023  
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 gtttcattca ctgcgcagaa agttttttgt gtagttacca tttgtct 107

<210> 18024  
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 <212> DNA  
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<400> 18024  
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 cagcatccaa gtaacttttt tttt 84

<210> 18025  
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 <212> DNA  
 <213> Homo sapiens

<400> 18025  
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<210> 18026  
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 <212> DNA  
 <213> Homo sapiens

<400> 18026  
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<210> 18027  
 <211> 161  
 <212> DNA  
 <213> Homo sapiens

<400> 18027  
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 gccttacctc ccgagtagct gggamtacag atgccgcga c 161

<210> 18028  
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<210> 18029  
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<210> 18030  
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<212> DNA  
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atttaaaaaac aaacaaacaa atactggttt aggcyyarrct tcttttttag aaaatcttat 180  
tcgggtatca gtgtgggttt gatgtagcct agtgagttgc tgtytagatg ggaacttgag 240  
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accctgagtt cctaatttaa gwtttctaa 328

<210> 18032  
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 cctgaaactc ctcatctctc tcgcc 146

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 <213> Homo sapiens

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 <212> DNA  
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102

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<212> DNA  
<213> Homo sapiens

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aaaaaa 66

<210> 18041  
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<212> DNA  
<213> Homo sapiens

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<213> Homo sapiens

<400> 18042  
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 tattaaggcc gggcacagtg gctcaagcct gtra 214

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<210> 18076  
<211> 103

<212> DNA  
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<211> 169

<212> DNA

<213> Homo sapiens

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<211> 125

<212> DNA

<213> Homo sapiens

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ctgtatatgg ctttgggtaa tgtgaacatc taaaaaatat taattcttcc aatccatgaa 180  
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<210> 18112

<211> 155

<212> DNA

<213> Homo sapiens

004220" 666E1560

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ctgcctttga agcagcgccg gcgaccggga caaac 155

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gcctcagcct cccaagtagc tgggattaca ggcatgcgc accatgcctg gctaattttg 180  
tacttttagt agagatgggg tttctccatg ttggtccagt tggctttgaa ctcttaactt 240  
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cccggccgc 309

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<212> DNA  
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taaaccgtaa acacattgtc catcctgact tggagtgcac accaacaact gaagagctct 180  
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aagactgaaa gcactgcgga ataacaccac ccct 274

<210> 18117  
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<212> DNA  
<213> Homo sapiens





<210> 18123  
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 <212> DNA  
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 aagagtaaag aaaaaaa 77

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 cagctgtaag cattcacc 78

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 aggtttgttt cataggtaar tatgtgccat ggtgggttgc tgcccctacc aaccatcac 180  
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 tgcagatcat cactactctt catcttaacc ctgggccagg gcttccaagc tttgtctccc 180  
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<210> 18132  
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 cctttttagt gtgacctggc cttttctctc tggctaccct taacattttt ttctttcatt 180  
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<210> 18133  
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tragactttc	tctctctgtc	tctctctctc	tctctcacac	acacacatac	acccacgcac	240
acacttacia	tgtaccaggc	actgctctat	atgtaaaatg	tgaatsaact	tctataattt	300
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atgtgcacat	tgtgcagggt	agttacatat	gtatacatgt	gccatgctgg	tgtactgcac	240
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cwk						

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agagattctt	atccatgaag	aaggcatcaa	tttaaatctg	cacaacaaac	cttacctctt	240
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tgtttctttt	cagcctatcg	attttgtaat	gctgaacacc	ccaatttccc	cgtgagccca	240
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<212> DNA  
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agaatctcac tacagcttag gtagcctccc caccaaccct tttcttgcc ttttctttgc  
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ctggcgattt ccttcctttt taaggctaatt attcaattgt ctgtaaattc cacatttggc  
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<213> Homo sapiens

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ttgctttatg aatctgggtg ctctgtatt gggttcataa agcaagnnct tagagaccta 180  
caaygagact wagactctca cagaataata atggaggatt 220

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<211> 158

<212> DNA

<213> Homo sapiens

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<210> 18145

<211> 183

<212> DNA

<213> Homo sapiens

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<212> DNA

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tggcattaca ggtgcctgcc accatgcctg gctaattagt agaaacagga tctcaccatg 180  
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<210> 18147

<211> 158

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

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cccctgcaag ggtagagtca ggtgagagtc ccttggtgag tcatttgtac atcagtgtca 180  
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<210> 18150

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<212> DNA

<213> Homo sapiens

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<211> 114

<212> DNA

<213> Homo sapiens

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<211> 140

<212> DNA

<213> Homo sapiens

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<211> 127

<212> DNA

<213> Homo sapiens

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127

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 gattdgattc atgggggmag tttcccacat gctgtwcttg tgacagttag tgagyyatca 180  
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<210> 18155  
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 cccagtggtc cttgtctaca accccgc 147

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<212> DNA  
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acataaattt agagacagcc aa 202

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aaaattttta aaatagtgtc gaccaaagag atcacatctg tacactggct ccc 173

<210> 18162  
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<212> DNA  
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<212> DNA  
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gtggctcacg cct 133

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<211> 177  
<212> DNA  
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<210> 18166  
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<212> DNA  
<213> Homo sapiens

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caccatatcc tcaatctctg atcattgcc aatttcttc aatatttctc tttttttatg 180  
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taggtatata catgccatgg tcgtttgctg catctatcaa cccatcatct acattaggta 300  
tttctcctaa tgctatvcct ccctagc 328

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<212> DNA  
<213> Homo sapiens

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<210> 18168  
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<212> DNA  
<213> Homo sapiens

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tttgctaggt atagtattcc tggttggcag attttttggt gtyykytct ttaaataat 180  
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<210> 18169  
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<212> DNA  
<213> Homo sapiens

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<210> 18170  
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 <212> DNA  
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 ttttgaaca gggctctcabt ctgtsgctca ggctagaggg cagtggcgtg atcatatctc 180  
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<212> DNA  
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ccttccaagt tcaagcgatc ctcccacctc ga 152

<210> 18176  
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<212> DNA  
<213> Homo sapiens

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gcaccccytt aactcgtcat ttagcattag gtatatctcc taacgctatc cctccccctt 180  
cccccaac 188

<210> 18177  
<211> 94  
<212> DNA  
<213> Homo sapiens

<400> 18177  
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tgtctcctaa ttctatccct ccccgcccc ccat 94

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<212> DNA  
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<400> 18178  
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gatcccaca 129

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tttagggttt atagtacaca tcttcaatct attatagttt atcttcaagt gagatgatac 180  
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<210> 18180  
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<212> DNA  
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 attttcccag gcaac 195

<210> 18181  
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 <212> DNA  
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<400> 18181  
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 accccgat 308

<210> 18182  
 <211> 76  
 <212> DNA  
 <213> Homo sapiens

<400> 18182  
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 tcaatgacca gtccag 76

<210> 18183  
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 <212> DNA  
 <213> Homo sapiens

<400> 18183  
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<210> 18184  
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 <212> DNA  
 <213> Homo sapiens

<400> 18184  
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 tttttatgtc agttcattta gagccctcat tatttttagc agttgcacag tatcccatag 180  
 catgaatatt tcatgattta cttaatatct tccactaat ggacagaaat tgtagcagct 240  
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<210> 18185  
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<210> 18186  
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 ccctatagga gaccccatgg ctgtgcttag gadgaggact gctggcaatc acgaaagatt 180  
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<210> 18187  
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 <212> DNA  
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<400> 18187  
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 cngcca 126

<210> 18188  
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 <212> DNA  
 <213> Homo sapiens

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<210> 18189  
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<400> 18190  
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agatcacgcc amtgcactcc agcctgggcg acagagcgag actccgtctc aaaaaaaaaa 180  
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 <212> DNA  
 <213> Homo sapiens

<400> 18191 60  
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<210> 18193  
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<210> 18194  
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 <212> DNA  
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<210> 18195  
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 <212> DNA  
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<210> 18196  
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004399 02400

<213> Homo sapiens

<400> 18196  
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gtgatctcgg ctcaactgcaa cctccacctc ccgggttcaa gtgattctmm tgcctcagcc 120  
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<210> 18197

<211> 93

<212> DNA

<213> Homo sapiens

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<210> 18198

<211> 175

<212> DNA

<213> Homo sapiens

<400> 18198  
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saaagcttat caaaagcttt cttatcaaaa gccgtcttct gtaggtaagg ctcttaatat 120  
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<210> 18199

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<212> DNA

<213> Homo sapiens

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<210> 18200

<211> 166

<212> DNA

<213> Homo sapiens

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<210> 18201

<211> 103

<212> DNA

<213> Homo sapiens

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<210> 18202  
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 cgc 183

<210> 18203  
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 <212> DNA  
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<400> 18203  
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<210> 18204  
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 <212> DNA  
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<210> 18205  
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 <213> Homo sapiens

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 taataagaaa aacaagcaac cccccactcc cgggcta 217

<210> 18206  
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 <212> DNA  
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 tgtttttttt tgttttgt 138

<210> 18207  
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<212> DNA  
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<400> 18207  
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aagattgctt gagccagga ggcagagggt gcagtaagcc aagattgcgc cactgcactc 120  
carcctgggt gaaagagtga aactcccgcc tac 153

<210> 18208  
<211> 87  
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acgaggttag cgatccgaaa tcgagat 87

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<212> DNA  
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gtaattaaag tgtctgaatt gwtggcaga aaaatgggag atgccagcc tgaaatgttt 120  
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cttgac 186

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<211> 176  
<212> DNA  
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tagacacagg tacttccmtg tggctgattg tggtagakaa ratctgcccc ggtgcc 176

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<212> DNA  
<213> Homo sapiens

<400> 18213  
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cacacaaccc cccgagaggt gagcagtgct tgtagctgct ttccacagat gaggaatgg 120  
ggaagtggag gaaggagtgg ctgccccctg gcaacttcaat agataagatg tgtgaatggc 180  
at 182

<210> 18214  
<211> 119  
<212> DNA  
<213> Homo sapiens

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actatgatct ttattttkaa atagcattaa aacagcstga attgaacaaa gccccaca 119

<210> 18215  
<211> 108  
<212> DNA  
<213> Homo sapiens

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cctccccgagt aacttaaatt acaggcacgc actaccacgc gtggcttt 108

<210> 18216  
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<212> DNA  
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aagtttcagg attcaaaatc aacatacaaa tctcagtaac atctctatat gcaaacagtg 240  
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<212> DNA  
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cgctcccccag gttcaatcaa ttctcccgt gt 152

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 <213> Homo sapiens

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<210> 18219  
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 <212> DNA  
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 taaaccacca caccagcac cccctcgccc acttttt 157

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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<210> 18223  
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004220" 66667560

<212> DNA  
<213> Homo sapiens

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cttaa 185

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<211> 146  
<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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cctaggcaac rtagtgagac cctgtctc 88

<210> 18227  
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<212> DNA  
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actctttgaa gagaaattaa cagccaagtc tcacccctc cccaa 165

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<213> Homo sapiens

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81

<210> 18229

<211> 208

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<213> Homo sapiens

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gctcacagtt ctgcaggctg ttcaggaagc ataggacttc tggggaggcc ttcggaaact	180
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<210> 18230

<211> 206

<212> DNA

<213> Homo sapiens

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ctcaactaat tcccctgctt kgttttacaa agagctggga ttmcagggtg gagccaccat	180
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<211> 192

<212> DNA

<213> Homo sapiens

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tttgcgtcac tcatcaacct gtcactaca ttaggttttt ctccctaagtc tatccctccc	180
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<213> Homo sapiens

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<213> Homo sapiens

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taatcagtcc cagtgcagtg aactgggtac ctcagttgga aatgcagaaa tcatccacct	180
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<212> DNA  
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tcatttatta gttcttcaaa ccaccccccc cccccccc 158

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aaaaaaaga 129

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<212> DNA  
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tgtgtgggttg tgtgggtgta agtgtgtgtt tggagttagg gtggaggata tgataggaaa 180  
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 <213> Homo sapiens

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 <213> Homo sapiens

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 gcttttggtt ggaaatggaa gtttgggagg agtccccacc acatagctgg cggctgaggc 180  
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 <212> DNA  
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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 18254

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<212> DNA

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<210> 18255

<211> 188

<212> DNA

<213> Homo sapiens

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188

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&lt;210&gt; 18256

&lt;211&gt; 150

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 18256

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 tccccaaaaa aaagaatcca tctatcctgt 150

&lt;210&gt; 18257

&lt;211&gt; 221

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 18257

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 aatggatatg tagtttagtt ttcttttttt ttttttttt t 221

&lt;210&gt; 18258

&lt;211&gt; 86

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 18258

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&lt;210&gt; 18259

&lt;211&gt; 138

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 18259

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 aactcccca caccctccc 138

&lt;210&gt; 18260

&lt;211&gt; 146

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 18260

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&lt;210&gt; 18261

&lt;211&gt; 166

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gaagcagtga ggtttatata aaacatctta tacttacaag agcctatttt aagctgctca 180  
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274

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212

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<210> 18295  
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gggcggaagc	catcacctgg	atgcctacgt
gggaaggagc	ctcgaatgtg	ggaccccagc
ccctctccag	ctcgaaatcc	ctccacagcc
acgggggacac	cctgcaccta	ttcccacggg
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<210> 18296  
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 <212> DNA  
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<400> 18296

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<212> DNA  
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<400> 18297  
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gcatt 125

<210> 18298  
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<212> DNA  
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gatttttttt tggcctatgt taatcaagga tatttgtcta tagttttctt ttatcatcgt 180  
gtcttttgcca ggttttagta tcaagggtgat gctggcttca tagaatgagt taaggaggaa 240  
tccctcatct tcagtttctg ggaatagttt cagtagtatt ggwacagttt ttctttgtgt 300  
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<212> DNA  
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ccaccactgt cactgtaatg ttaaaggaaac atcatgaagc ctatgaaatc ctatcttttc 180  
acctattaaa gagttgagga tgcagagaag ttgaggctgt tggctgcttt catcctccag 240  
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gcagaga 307

<210> 18300  
<211> 149  
<212> DNA  
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<400> 18300  
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aaaattactc ataatcccag aacgcagtca tatgtattt ttagtcttat tttattcagc 120  
catttttctc tttactactaa cttttttt 149

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<400> 18302  
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<210> 18303  
 <211> 109  
 <212> DNA  
 <213> Homo sapiens

<400> 18303  
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<210> 18304  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

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 ttctttttct ctttctcctt tcagtcagga atttagataa tgggctgtgt gcaatgtaag 180  
 gataaagarg caacaaaacw racggaggag agggacggca gcctgaacca gagctctggg 240  
 taccgctatg gmatagaccc ccgag 265

<210> 18305  
 <211> 159  
 <212> DNA  
 <213> Homo sapiens

<400> 18305  
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 <212> DNA  
 <213> Homo sapiens

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<210> 18307  
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<212> DNA  
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<400> 18307  
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<210> 18308  
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<212> DNA  
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<400> 18308  
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gatgtttcct cacagwgara ctcagggtta gtgttttttg cagggttac gcagaagcga 120  
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<211> 160  
<212> DNA  
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<400> 18309  
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aaaaggatga gttcacgtcc ttaacaggga tatgaatgaa 160

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<212> DNA  
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ggtcacttca ttctggacac agttggatca atactgatta agtagaaaat ccaagctttg 120  
cttgagaact ttgttaacgt ggagagtaaa aagtatcggt tttattcttt gctgatgtcc 180  
tttctgcttg aaataacagt caca 204

<210> 18311  
<211> 258  
<212> DNA  
<213> Homo sapiens

<400> 18311  
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gatagttaac cctatgagat ccgataggaa ctgtgattgc nattggacag atgaagaaat 120  
gaagaccag accggggtag catctgatca ctcatattgc aatccaggat tgcgattaag 180  
tgctgatccc cttttttttg gtgggtggtta aattttcata ggactttatt agtgaagtga 240  
tttaagagtc aatccact 258

<210> 18312  
<211> 170  
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<213> Homo sapiens

<400> 18312

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<210> 18313

<211> 216

<212> DNA

<213> Homo sapiens

<400> 18313

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ttagccaggc	atggttgctc	acacgtgtaa	tccaacact	ttgggaggcc	aaggtgggag	180
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<210> 18314

<211> 242

<212> DNA

<213> Homo sapiens

<400> 18314

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agagtcccca	tccctacaaa	aaagaaaaat	aaaaaattag	ccaggcctgg	tggttcatac	180
ctgtgggtccc	agctactggg	gaggctaagg	ccggaggatc	ctttgagccc	aggaggttga	240
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<210> 18315

<211> 168

<212> DNA

<213> Homo sapiens

<400> 18315

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atagcttccg	ggagaagggt	ttccggaaga	aacctccagt	ctgtgcagta	tgtaagggtga	120
ccatcgatgg	gacaggcggt	tcgtgcagag	tctgcaaggc	ggcgacag		168

<210> 18316

<211> 197

<212> DNA

<213> Homo sapiens

<400> 18316

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tttctacaga	gagatcagct	gttagtctga	tgggcttccc	ttcgtgggta	acccaacctt	180
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<210> 18317

<211> 200

<212> DNA

<213> Homo sapiens

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tactaaaaat acaaaagaat tagccgagcc tagtggagcg tcaactgcaac ctccgcctcc 120  
cggcttcaag caattctcct gcctcagcct cccgagtagc tgagattaca ggcacgctcc 180  
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<210> 18318

<211> 184

<212> DNA

<213> Homo sapiens

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tgtttccttt tcttttcttt tttctttttg agacagggtt tcaactctgtc actgaggcta 120  
cagtgaacca taatcatgcc actgcacca gcctcagtga cagagtgaaa cctgtctca 180  
aaaa 184

<210> 18319

<211> 197

<212> DNA

<213> Homo sapiens

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tttctacaga gagatcagct gttagtctga tgggcttccc ttcgtgggta acccaacctt 180  
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<210> 18320

<211> 299

<212> DNA

<213> Homo sapiens

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tttgggtgtgc tttctctccc tctttactgt gtgtgtgtgt atgcatatgt gtattttttg 180  
tgtatacatt ttactctcaa aaaaatggtc tcataccata cataatgac tactcatagg 240  
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<210> 18321

<211> 72

<212> DNA

<213> Homo sapiens

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<210> 18322

<211> 249

<212> DNA

<213> Homo sapiens

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 cccagttcta tttttttgct ttggttgcm tgcgtttcga agtcgtatac aaaaaaaaaat 180  
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 caggtctta 249

<210> 18323

<211> 113

<212> DNA

<213> Homo sapiens

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<210> 18324

<211> 107

<212> DNA

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<210> 18325

<211> 166

<212> DNA

<213> Homo sapiens

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 gcctcccaaa gtgctgggat tacaggcatg aaccaccgcg cmmgat 166

<210> 18326

<211> 123

<212> DNA

<213> Homo sapiens

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<210> 18327

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<213> Homo sapiens

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 gargcaggca gatcacaagg tcgggagatc gagaccatcg tggccaacat ggtgaaaccc 180  
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 agtgcaatgg tacaatcttg gctcaccaca acctccgccc cca 223

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 <213> Homo sapiens

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 taagatcact ggaaatcaga gtggtttggt tcgtacgaat tcatttgtat gtcaatcatc 180  
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c

181

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 ggccacacs ctcagctgcc tcttcaggaa cggagctca tt 162

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 cctggccttt ggtattcaca ggaggttctg gagccagttc tccatgacag ataccaaggg 180  
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 gggatcatgt ggtaatcttg tktttacttt tttgaggrac ctccatacca ttatccatga 180  
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gaatggaatc aacgcgagt caggggaatg taatgaaac 159

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<212> DNA  
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<212> DNA  
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gctgggcaa catggcaaaa ccccatctct actaaaaata caaaaattag ctgggcatgg 180  
tgacacgtga ctgtaatccc agcta 205

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 aatgggtttc tccatgttgg tcaggctggt ctcaaactcc tgacctcagg tgatccaccc 120  
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 ctttttattg gtgttataaa agttgttcat gtattctaga ttcaagtgcc ttatcagctg 180  
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 gaatcccttg aggccaggag ttcgagacca gcctggccaa cgtggggaaa ccccatctct 180  
 agaaaaata taaaaattat ctggtgtggt ggcgtacgcc tataatccta gctactaggt 240  
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<212> DNA  
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ggaatatagg acagctccaa gatccggggc ggcttatagt ctttgccggag gaggtgagtg 180  
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gaaggaagca caaaaaggga cagca 265

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<400> 18371  
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<210> 18372  
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 ttctagaata tttaaacata aggctga 87

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tacttattta tttttaaaaa ttttaatttt taagagcagt tttagggtca cagcacaatt 180  
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gaaaagtcgg ccgggt 196

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<211> 63  
<212> DNA  
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gaaatggcag cggttccttc atgagtttag gaatacacac gacagattgc ttgccgtatt 180  
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<210> 18381

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<212> DNA

<213> Homo sapiens

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<210> 18382

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<212> DNA

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004220" 666EFS60

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cacttccccg ttctgtcas atttcccaa gcc 334

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aacatagktc aaccaccata tagctgtttt ctattgtaat aatttgtdtg dwtttagaga 180  
arcaaraaag ctactgtcga acaaagtgtac aatttkttta attattatta ttttgaaca 240  
gagtctcgca ctgtctccca ggctggaggg cagtggcgcg atctcggtc actgcaacct 300  
ccacctccca gttctarmaa ttctctgcc tcagcctccc tc 342

<210> 18389  
<211> 97  
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tgacagggca agatcctatc tgattaaaaa aaaaaat 97

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cccct 185

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gatgtgataa cgaggttcca gtaatctgag cagtcta 397

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 <212> DNA  
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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<400> 18400

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tatttcttaa	cttcttaaag	tatgctagcr	ttttatgtat	atgtacacat	atattcagac	180
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 <212> DNA  
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cagagatcat	catggctgcc	actcccaccg	cagactcaga	gtgcaagggc	ctggggagca	240
gaactccctc	caccttgatt	tcaaagacta	gaaccaatgc	ccagtggact	tcaggggcta	279
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cgatctgttg	ccaggctgga	gtgcagtggc	ggatgatctca	gctcwnatga	acctctgcct	300
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<210> 18403  
 <211> 265  
 <212> DNA  
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tattctgtgt	tgtacgacgg	gttttgacaa	atgtgcaagg	tcatgtatct	actattacag	240
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acccgcctcg gcctccckaa gtgctgggat tataggcgtg agccactgtg cccgaccaca 180  
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tatttaccag gtccctcgata ttgccataga tattcttctt catgcctgat gcgcgagtag 180  
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<212> DNA

<213> Homo sapiens

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<211> 363

<212> DNA

<213> Homo sapiens

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tatggagatt ttgatttagt aggtctaggt ggaaatctga gaatctgcat ttttaaaga 180  
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<210> 18409

<211> 103

<212> DNA

<213> Homo sapiens

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<210> 18415



<211> 67  
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<210> 18418  
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<213> Homo sapiens

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<210> 18421

<211> 359

<212> DNA

<213> Homo sapiens

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gggatcatgt ggtaactctt tttttacttt tttgaggaac ctccatacca ttatccatga	180
tggctatagt aattttacatt cataccagca gtgcacaagg gtctcctttt ctgtatacac	240
ttgccaacac ttgttatctt tcattttttt gatgctagcc attctaacag gtgggaggtg	300
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<210> 18422

<211> 234

<212> DNA

<213> Homo sapiens

<400> 18422

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atttgtatgc aatagaatct acataaattg gcatattatg cagatttctt tgtatgcaca	180
tcagttcttg catagcataa gtcaggtcac gatgctttta gtctatgagg cgar	234

<210> 18423

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<212> DNA

<213> Homo sapiens

<400> 18423

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tcttttctta tatcaataat aataataact cctgtgactt attacattta actctcataa	120
tcaacccttt gtattcaata ctgttttggg caccatttta cagatgagga gactgcggct	180
tgaagagggt aagaaacttg ctcttttagat ggtattccag tgtaggcagc ctgactccag	240
agctggatga tcttctaacc cccccataac agtgctttca agtcatctgg aagaacttat	300
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<210> 18424

<211> 106

<212> DNA

<213> Homo sapiens

<400> 18424

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<212> DNA  
<213> Homo sapiens

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ttgwattttt cctaccccc ca 142

<210> 18426  
<211> 137  
<212> DNA  
<213> Homo sapiens

<400> 18426  
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tgacacagaca gacacct 137

<210> 18427  
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gtaatcccaa catgtaggga gactgaggca ggcagatgat gaggtcagca gttcgagacc 180  
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gtagcgggca cct 253

<210> 18429  
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agttcarrcc catcctgacc aacatgatga aaccccgctc ctactaaaaa tacaaaaatt 180  
ggccgggtgt ggtgttggtc agcctgtaat cccagctgct cggggggctg aggcaggaaa 240  
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312

<210> 18430

<211> 255

<212> DNA

<213> Homo sapiens

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raaaatrgaa ataraaatag accaggagag gtggctcacg cctgtaatcc cagcactctg	180
ggagaccaag gcgggtggat cacctgaggt caggagtctg agaccagcmt ggccaacata	240
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<210> 18431

<211> 139

<212> DNA

<213> Homo sapiens

<400> 18431

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<210> 18432

<211> 151

<212> DNA

<213> Homo sapiens

<400> 18432

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<210> 18433

<211> 182

<212> DNA

<213> Homo sapiens

<400> 18433

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aactaacaaa caggaaggac atacacacca aaaccccatc tgcacatcac catcatcaaa	180
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<210> 18434

<211> 97

<212> DNA

<213> Homo sapiens

<400> 18434

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 aggmwtwggg ttgctccagg taaaggggtga aggaactgaa agaaactgat caccacatga 180  
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 gtttacacat ctgtgtctct gtccttcctt ctatcaatag tcaatgacct acctcttttt 180  
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<210> 18438  
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<210> 18439  
 <211> 98  
 <212> DNA  
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agaaaataag tggggttggtg tttggagcac tgggaaggga ggaaatgcat gaaagatgaa 180  
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<212> DNA

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<211> 248

<212> DNA

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gcagagggag ggggaggaag agagttcaaa ccgaagtgga tggaagggga ctgggggttc 240  
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<211> 339

<212> DNA

<213> Homo sapiens

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cctgaatgac tcctgggtaa ataataaaat taaggcagaa atcaagcagt tttttgaaac 300  
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<210> 18445

<211> 146

<212> DNA

<213> Homo sapiens

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<211> 261

<212> DNA

<213> Homo sapiens

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cgcccgccac tgcgcctggc tagtttttct atttttagta gagacagggc ttcaccatgt	180
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<210> 18447

<211> 142

<212> DNA

<213> Homo sapiens

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<210> 18448

<211> 206

<212> DNA

<213> Homo sapiens

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ttcaagctaa ttcttttagct tgatcaatct ctcaatagaa ttgatcaagc taaagaatta	180
gcttgaagac aggcctcttg aaaaca	206

<210> 18449

<211> 108

<212> DNA

<213> Homo sapiens

<400> 18449

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<210> 18450

<211> 121

<212> DNA

<213> Homo sapiens

10542 U.S. PRO  
09/51399  
02/24/00

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<212> DNA  
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aatcttagct atcacaagca taatcagttc t 151

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<210> 18457  
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<210> 18459  
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 catgaawcag tsaagctaca aaacatttcc atcatcacia gtgatccatc ttgtccttta 180  
 aagtcatact catcctaacc cccatcctga aaacctggaa accactattc tattctttat 240  
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 aatattttac agagcttggt ttttccatta acaagggtgt attcttcatt attgcaaggc 180  
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 cac 123

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 gggactacag gcgcccgcga ccgcgcccgg ctaatttttt gtatttttag tagagacggg 180  
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 accccacgcc c 131

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tgatccaccc atcttgacct cccaaagtgc tggaattaca ggcacgagcc accacgccgc 240  
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acc 123

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taggtgaggg gatgtaaatt catgtttctt ccttcctttt cccccctttt tgttgaggg 180  
gatcaaaatt aacacattct ttttatttta ttttattttt tattttattt tattttattt 240  
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<212> DNA  
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gcgt 184

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6367

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 aaaattttgt tatcaatcat attttggtt ggtgggtatt agtccaaatt ccaaatattt 180  
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<210> 18487

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<211> 72  
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 tctcctgcct tggcctcccc c 261

<210> 18489  
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 cgcccccccc 130

<210> 18490  
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<210> 18496  
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 ttgctgggca gctcaagggt aggatgaatg gttcctgccg tgtggagtgg cgtccctggg 240  
 gccagctgtc cctcggggaa gcagtgcacg gga 273

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<210> 18504  
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 ctactaaaaa tacaaaaaaa ttagt 205

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 ctgggattwc aggtgcccac caccacaccc ggctgc 156

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 aaaaaaaa 128

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228

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<212> DNA  
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<212> DNA  
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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

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<211> 184

<212> DNA

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<212> DNA  
<213> Homo sapiens

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<212> DNA  
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<210> 18529  
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gggaggctga gagaggagaa ttgcttgagc ccaggaacag aaggtttgca gtgagccaag 180

atcacaccac tgcaactccag tctgggcaac gggagtgaac ccctgtctca aaaacaaaca 240  
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<210> 18530  
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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<210> 18532  
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<210> 18535

<211> 119  
<212> DNA  
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<210> 18536  
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<212> DNA  
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<210> 18538  
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<400> 18539  
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tggaaatgcaa 130

<210> 18540  
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<400> 18540  
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 gagggctcggg ggtggaggag ccttagtggtg tccacaaagg gactcctgaa actgactgag 180  
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<210> 18541  
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<400> 18541  
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<210> 18542  
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 <212> DNA  
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<400> 18542  
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 aggcgggaga cttgcttgaa cgcgag 86

<210> 18543  
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 <212> DNA  
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<400> 18543  
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<210> 18544  
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 <213> Homo sapiens

<400> 18544  
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<210> 18548  
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<400> 18548  
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 gtcagagggt gaggggacag aagctaaaat attaggaacc cga 163

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<400> 18552  
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<400> 18553  
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<210> 18555  
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<400> 18555  
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 <212> DNA  
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<400> 18556  
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ggtcccacta tgttgcccag actagtctca aactcctggc ctcatgggat cctcctgcct 120  
cagccttcca aaggctggct tgggtttaca gaaatgagtc actgtgcctg gccca 175

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<212> DNA  
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ggcaccgccc acgtagagga acctgttctg ggcagc 156

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tgagattgav atctactact tctttttgcc ttt 153

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gttgacagca cacctgtaat tccagcactt tgggaggcca aggcaggagg atcacttgag 180  
gccaggagtt cgagaccagc ttgggcaaca ca 212

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<212> DNA  
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<400> 18560  
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<210> 18562  
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catctgaggt	cgggagtttg	agactagcct	gaccaacatg	gagaaacctc	gtctctacaa	240
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gtttgttaaa	tatgtataca	tgtgccatgt	tggtgtgctg	cacccattaa	cttgtcattt	286
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 <212> DNA  
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 <212> DNA  
 <213> Homo sapiens

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gctgggataa	agtccagccc	ctgaccgggt	cctccaggcc	gtgtggagcc	agcctcagtt	240
gccctttcca	ccttcctctc	tgctactcct	catcttctgg	tcaagttcct	cagacatccc	262
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 <212> DNA  
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 <212> DNA  
 <213> Homo sapiens

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<210> 18572  
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 <212> DNA  
 <213> Homo sapiens

<400> 18572  
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 acaacaagga cagaggatgc cagggagtgc aaaaggaata caagagaaac ccggaggagg 180  
 agaggcgagg gtgggttaatg ccactgcaga tgggactctg gagctgag 228

<210> 18573  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 18573  
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 tggcgaccca attctggaga aactgcccc ccacctct 338

<210> 18574  
 <211> 57  
 <212> DNA  
 <213> Homo sapiens

<400> 18574  
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<210> 18575  
 <211> 82  
 <212> DNA  
 <213> Homo sapiens

<400> 18575  
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 tttaaaaaaaa aaaaaaaaaa aa 82

<210> 18576  
 <211> 153  
 <212> DNA  
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<400> 18576  
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tggctaattt tgtattttta gtagaggtgg ggtttctcca tgttggtcag gctgggttcg 120  
aactgcccgc caatttccaa cctgaatccc ccc 153

<210> 18577  
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<212> DNA  
<213> Homo sapiens

<400> 18577  
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gctcttgatt caaatgtcat catcatagtg aggttttccc taatccccct acagattcta 180  
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<210> 18578  
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<400> 18578  
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<212> DNA  
<213> Homo sapiens

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<212> DNA

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 ttgaagaaac caacaatgcc tatgaaacag ctgacggcgg ctacatgact ctgaaccca 240  
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<211> 300

<212> DNA

<213> Homo sapiens

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 ccccttgatg ccaaggaggt attggagcca atggaaaaac catcccttct tttattccct 240  
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<211> 147

<212> DNA

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<210> 18585

<211> 101

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 164

<212> DNA

<213> Homo sapiens

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<212> DNA

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agatgggggt tcaccatgct gaccaggatg gttttgatct cttgacctg ggatccgccc 240  
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<211> 140

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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 tactttccac agtaattaaa ctaatttata ctcccaccaa cagtgcacaa gtgttccatt 180  
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<211> 372  
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 cccagttcta tttttttgct ttggttgctt gtgcttttga agtcgtatac aaaaaaaaaat 180  
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 gatcagggtat cttcttcagc agatgaaaca gaagatgaaa gatctgaagc tgaaaacggt 180  
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<400> 18601  
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004220" 666E560

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 cttaggtgag gcagartcnt gctgtcgccc aggatggagt gcggtggcac agtcttggcc 360  
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<210> 18618  
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00422" 666CT560

<213> Homo sapiens

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<211> 170

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<212> DNA

<213> Homo sapiens

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<211> 136

<212> DNA

<213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 acaaaactcac matcttaact ttattattdb cttgwatttg gtagcataatc tttcttaaat 180  
 cttttataaa aaaaaagtca gtacatattg ttttcagtgw gtcttttcat gacaactaac 240  
 tgctggattt gttcattttc ttcatacaagc aaatctgaga tctgtccttt gggaagttaa 300  
 gcttctttgc agttactgat atttctgawa cctcatattg tgctttattt actaaacttc 360  
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 taaaaagcta tttaat 436

<210> 18637  
 <211> 99  
 <212> DNA  
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<400> 18637  
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 tagataatgg tgccaagtgt taaattactt tatgtttaa 99

<210> 18638  
 <211> 116  
 <212> DNA  
 <213> Homo sapiens

<400> 18638  
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<210> 18639

<211> 203  
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 tgwattctca aatatadatg arggatawat awatttgagt atgttggttag ggggt 174

<210> 18641  
 <211> 222  
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 <213> Homo sapiens

<400> 18641  
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 catmaacaac attagccagc ccacactgcc ccagaaatta tctgtgaggc agaaatgaat 180  
 gtggcaatag ccacccttg cccaatgtct catgcctaag aa 222

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 <211> 88  
 <212> DNA  
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<400> 18642  
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 tgatacagag gccgccacgg agcccaac 88

<210> 18643  
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 <212> DNA  
 <213> Homo sapiens

<400> 18643  
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 gtttctgtca atttctttt 139

<210> 18644  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

<400> 18644  
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agggtttcagt gagatgtgac actagagaga atgcctcaga tatttcttgm wwwcaactga 120  
atgactcvtc ctatgacagc ttggaaaatg agctaaatga ggatgttgat gcaccatgca 180  
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tggccca 307

<210> 18645  
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<212> DNA  
<213> Homo sapiens

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cttttttttt tttttttttt tttttttt 88

<210> 18646  
<211> 117  
<212> DNA  
<213> Homo sapiens

<400> 18646  
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<210> 18647  
<211> 64  
<212> DNA  
<213> Homo sapiens

<400> 18647  
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acga 64

<210> 18648  
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<212> DNA  
<213> Homo sapiens

<400> 18648  
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atgtatacat gtgctattgc tgggtgcgctg caccactaa ctgcgtcatct agcattaggt 180  
atatctccca atgctatccc tccccctcc cacct 215

<210> 18649  
<211> 145  
<212> DNA  
<213> Homo sapiens

<400> 18649  
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agasatgggg atccagttta atcttctaca tgtggcttgc cagttttccc agcaccgttt 120  
attgaatagg tatcctttcc ccaat 145

<210> 18650  
<211> 167  
<212> DNA  
<213> Homo sapiens

<400> 18650  
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gtttcaccgt gtagccagg atggtctcca tctcctgacc tcgtgatctg cgcacctctg 120  
cctcccgaag tgctgggatt acaggcgtga gcactgcgcc cggcctt 167

<210> 18651  
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<212> DNA  
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<400> 18651  
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ggtttttctt tttgggaagc ttttacagta ttaatgtaac attttggtat gtgtcttcag 120  
atttntaat tcttcttgag tcagttttcg tagtttggt ttttctagga atttgtttca 180  
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ttataaaaag tccttaataa catccccctc 270

<210> 18652  
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<212> DNA  
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<400> 18652  
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ctatgttgcc caggcttt 138

<210> 18653  
<211> 362  
<212> DNA  
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<400> 18653  
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ggaggcgsma gttgcagtag tgcaatctcg gctcactgca acttccgcyt cccaggttca 180  
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cagctaattt ttgtattttt tgtagagacc gggtttcagc atgttggccg ggatagtctc 300  
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<210> 18654  
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<212> DNA  
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<400> 18654  
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 nsatgactgg gaagaaaggg ttgagtttgm gttgagtcag hagtcaaag gggacccaaa 120  
 ttactattag taaaggtaac aatattttct gcawtwcaga ggtagtttct atawtatatg 180  
 caagthmctt tgatgcataa awatgttttt 210

<210> 18655  
 <211> 83  
 <212> DNA  
 <213> Homo sapiens

<400> 18655  
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 ggtaaataa ataaagtttt ttc 83

<210> 18656  
 <211> 110  
 <212> DNA  
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<400> 18656  
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<210> 18657  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens

<400> 18657  
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 ctacagccaa ccacacacct tggcttccca aagtgtcagg attataggca tgagccactg 120  
 cayycaacct agttttgatc tttctatgcc tactttgttg agattttttt tttatcatga 180  
 aggggtgttg aattttatta aattcttttt ctatctctat tgagtggata caggcactgc 240  
 atcttaccac atcaaaaagg aacaactgag gaagctaaaa cactgagttt tgtgtctccc 300  
 cccttcaa 308

<210> 18658  
 <211> 88  
 <212> DNA  
 <213> Homo sapiens

<400> 18658  
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 cccgagtgcga atggaatgga gtggacac 88

<210> 18659  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 18659  
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 taggaatcag gcttcggttg agaaagagaa agcacctcca acccccaaag ctctccttct 120

gcatcagaga agctgcaagg atgcctcaag agaccagccg ccagcacagg cctcaaaggc 180  
 aggtgcaccc ctgcgaggac gcatggctcg ggtggctct gggagcctct ggaaggggag 240  
 tcatcagccc tgcccacc 258

<210> 18660  
 <211> 123  
 <212> DNA  
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<400> 18660  
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 ttgttgctgt gatcattgat tcatttatgt gtattgtgtt cttccagtg ttgcaaatgg 120  
 gga 123

<210> 18661  
 <211> 129  
 <212> DNA  
 <213> Homo sapiens

<400> 18661  
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 gatatgttt 129

<210> 18662  
 <211> 145  
 <212> DNA  
 <213> Homo sapiens

<400> 18662  
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 atctmacttg agacctccag caggc 145

<210> 18663  
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 <212> DNA  
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<400> 18663  
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 gtctactctg gtgaatgttg gaaaagtggc aaaattaaaa gtaaaaaatt tgagagaata 180  
 ggatagatga accatttggt ctttttaata gtaactgat ttttcaacaa agatgcttat 240  
 tcatcaccta tattaattaa cagggttttt tttgt 275

<210> 18664  
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 <212> DNA  
 <213> Homo sapiens

<400> 18664  
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 gaggtgaag cagaagaatc acttgaaccc aggaggcaga ggttgtagtg agccgagatc 120



004220" 6657560

gcgtcactgc actccagcct ggggtgacaga atgagactcc atctcaaaaa aa

172

<210> 18665  
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<212> DNA  
<213> Homo sapiens

<400> 18665  
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tgcactactg cactccagcc tgggtgatag agcaagaccc cgtcttgga aaaaaaaaaag 180  
ttaaaaaataa ataa 194

<210> 18666  
<211> 169  
<212> DNA  
<213> Homo sapiens

<400> 18666  
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ttcaccatgt wggccaggct ggtctcaaac tctgacctc aagtgatcca catgcctwag 120  
cctcccaaaa wgctgggctw acagccatga gcctctccac ctggccgat 169

<210> 18667  
<211> 336  
<212> DNA  
<213> Homo sapiens

<400> 18667  
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tgttcatagt agccttgaat aatcttttgt atttctgtgg tatcagtaat agtatctcct 120  
gttttggttc taattgagtt tatttgcact tctctcctct tttcttggtt aatcttgcta 180  
atgggtctatc agttttatct atcttttcaa agaaccagct ttttatttca tttagctttt 240  
gtattttttt gcagttggtt taatttcatt tagttctcct cttatcttag ttattccctt 300  
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<210> 18668  
<211> 245  
<212> DNA  
<213> Homo sapiens

<400> 18668  
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tttatgtaga ttaaaccctt acattagaag agtttacaac aaagatggtg ydkcttcctt 120  
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actgcactct gtgactcacc ttttaatttct tctgtgcaa gatccaagaa tactcttttg 240  
gggtc 245

<210> 18669  
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<212> DNA  
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<400> 18669

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 aaatcatatc atttagcttt gtaagaaatc accaaactgt cttccaaagt gcctgtgcca 120  
 tttttgcatt attataccag caattaataa gagtccttgt tattctgtgt ttgctgatca 180  
 tatat 185

<210> 18670  
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 <212> DNA  
 <213> Homo sapiens

<400> 18670  
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 ggccgagggc gacggatcac ttgaggyacg gagttcaaga ccagcttggc caacatggca 120  
 aaaccc 126

<210> 18671  
 <211> 86  
 <212> DNA  
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<400> 18671  
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 ggcgacagag caagactccg tctcaa 86

<210> 18672  
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 <212> DNA  
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<400> 18672  
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 taattttcag tgcacaaatc ttgcacctct tggtttaaat ttattcctat gtattttatt 120  
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<400> 18673  
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<400> 18674  
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<210> 18675  
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<212> DNA  
<213> Homo sapiens

<400> 18675  
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gggtcattac aacctccacc tcccaggtcc aagcgattct cctgagtagc tgggattgca 120  
ggcatgtgcc accatgccca gcyaatthkk gtatttttag tagagacggg ga 172

<210> 18676  
<211> 117  
<212> DNA  
<213> Homo sapiens

<400> 18676  
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gatcggacca ctgcaactca actccagcct gggtagacaga gtgagactct tgtctca 117

<210> 18677  
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<212> DNA  
<213> Homo sapiens

<400> 18677  
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aagttcwctg rwaawttkag tawatkknat taatgawgtc caacacctct aagattgttg 180  
agaaaacatg aagaattgag gttactcttc tcaggtgaca ctttaaataat taaaatcann 240  
ggcttcctga acaaaacaaa ttgcaaaaata gcgataatgg caggggtt 288

<210> 18678  
<211> 74  
<212> DNA  
<213> Homo sapiens

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gagtacaatg cagt 74

<210> 18679  
<211> 117  
<212> DNA  
<213> Homo sapiens

<400> 18679  
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ggyaatcagc ccgccttggc ctcccaaagy gctgagatta yaggyatgag ccaccgt 117

<210> 18680  
<211> 218  
<212> DNA  
<213> Homo sapiens

<400> 18680  
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acagacagat gtttatgcag atcatttggga ctggcattat cggcaaaata gaactgaaaa 120  
 ggatgttagc cgraaaaggt cactcataga cgttggtact acagttaaac agactggata 180  
 gaatttgagg agatagctga tctggaagaa cggggcaa 218

<210> 18681  
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 <212> DNA  
 <213> Homo sapiens

<400> 18681  
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 catggaaygc mmtggaatgs matcatccgk aatggaatgg aaaggaatgg matggaatgg 120  
 matggaatgg matcaactcg attgcaatcg aatggaatgg aat 163

<210> 18682  
 <211> 167  
 <212> DNA  
 <213> Homo sapiens

<400> 18682  
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 aatctgtcat amttwacrac cttatgttaa tgaaaaacga gagaatt 167

<210> 18683  
 <211> 100  
 <212> DNA  
 <213> Homo sapiens

<400> 18683  
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<210> 18684  
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 <213> Homo sapiens

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 atggctcamt gcygggctca atgcagcctg gaattcctgg gctcaaatca tcctccagcb 180  
 tcagcctccc aagtagctgg gaatacaggc atgcaccgca aca 223

<210> 18685  
 <211> 265  
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 aaatatgttt aaagramctt ttagaathat ttttatcaga attatgtatt tggggttttg 180  
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ccaaacctct agccttgtag cctct

265

<210> 18686  
<211> 102  
<212> DNA  
<213> Homo sapiens

<400> 18686  
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catgttttagt gcttccttca ggagctcttt tagggcaggc ct 102

<210> 18687  
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<212> DNA  
<213> Homo sapiens

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gaggcggcgg cgggtggcggc caagcgggat acgggcggtc 100

<210> 18688  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 18688  
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ccyccctaga agctgagatt acaggtgcat gccaccacgc cc 162

<210> 18689  
<211> 107  
<212> DNA  
<213> Homo sapiens

<400> 18689  
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<210> 18690  
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<212> DNA  
<213> Homo sapiens

<400> 18690  
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tgaccaac 68

<210> 18691  
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<212> DNA  
<213> Homo sapiens

<400> 18691

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<211> 227  
<212> DNA  
<213> Homo sapiens

<400> 18692  
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tcatgtaant tttagaattg tattttccat tactgtgaaa aaatacaact gcaatttaga 180  
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<212> DNA  
<213> Homo sapiens

<400> 18693  
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magagaaasm agatcttggc gatgaggatg aggcaga 97

<210> 18694  
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<212> DNA  
<213> Homo sapiens

<400> 18694  
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<213> Homo sapiens

<400> 18695  
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<212> DNA  
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caagaaakta tgagctctga tgagataaga gtaaagatga atcagaagtg aaaacagtcc 180  
tccaaccccc 190

<210> 18697

<211> 84  
 <212> DNA  
 <213> Homo sapiens

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 ccgggaccag ggtcttcaag aagt 84

<210> 18698  
 <211> 137  
 <212> DNA  
 <213> Homo sapiens

<400> 18698  
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 cygaaaatca tgragra 137

<210> 18699  
 <211> 247  
 <212> DNA  
 <213> Homo sapiens

<400> 18699  
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 gatctctgca gcacwaggtg aactgtgtgt awaaaatgta taaaatgtgt tcagaaggat 180  
 ggatgtgagt aacacacagg tgttaaacgc acctaacgtg taaatgtatt ttgtttttct 240  
 tcagagc 247

<210> 18700  
 <211> 124  
 <212> DNA  
 <213> Homo sapiens

<400> 18700  
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 aacatgataa acacttttagt gcacactgtg tacaggaggg amagcdagag ggcaggactt 120  
 gaca 124

<210> 18701  
 <211> 158  
 <212> DNA  
 <213> Homo sapiens

<400> 18701  
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<212> DNA  
<213> Homo sapiens

<400> 18703  
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aatgggtgg aggttgagg at 142

<210> 18704  
<211> 230  
<212> DNA  
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<400> 18704  
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atagaacata ttacatatat atgtatccat tctaccattc tactgtgtgt 230

<210> 18705  
<211> 126  
<212> DNA  
<213> Homo sapiens

<400> 18705  
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tttgtgagaa tttgtttccc acatcttttc aacatttgct gttagatttc ctaattgttg 120  
ctagtc 126

<210> 18706  
<211> 134  
<212> DNA  
<213> Homo sapiens

<400> 18706  
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tgtcamggtg gaca 134

<210> 18707  
<211> 152  
<212> DNA  
<213> Homo sapiens

<400> 18707  
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cgctcccgag gttcaatcaa ttctcccgct gt 152



<210> 18708  
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 <212> DNA  
 <213> Homo sapiens

<400> 18708  
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<210> 18709  
 <211> 216  
 <212> DNA  
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 gggcagatca cgaggtcagg agatcgtgac cgtcctggct aacacggtga aaccccgtct 120  
 ctactaaaaa tacaaaaaaa ttagcnargg cgtgaatggg tdgggcgcc wgdwgtccca 180  
 gctacttggg aggctgaggg aggagaaatg gtgtga 216

<210> 18710  
 <211> 146  
 <212> DNA  
 <213> Homo sapiens

<400> 18710  
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 gttaggtcca cttgagatac agctggggct gccaggcagc actgtactag aatgcaggga 120  
 tcacagtccc aagacagctc tgagca 146

<210> 18711  
 <211> 133  
 <212> DNA  
 <213> Homo sapiens

<400> 18711  
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 agtactgtat attttktwct tatttrrrtt gaataatttt cctattacca aataraaata 120  
 aatttatttt tac 133

<210> 18712  
 <211> 190  
 <212> DNA  
 <213> Homo sapiens

<400> 18712  
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 ttcatagtgg ctcaagtaatg gtagtaatta aattattctg atgattataa ttttttatca 120  
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 ctccccacac 190

<210> 18713

<211> 189  
<212> DNA  
<213> Homo sapiens

<400> 18713  
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atacacacac acgtgtgtat gtgtgtgtat aaagattatg taagcagcct attaataagt 120  
tcctakwtaa raattttaaa cacttgacc aaagcctttt agtccctctt cccaccctt 180  
caccacct 189

<210> 18714  
<211> 145  
<212> DNA  
<213> Homo sapiens

<400> 18714  
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tatcaaccgg tcattctagg ttttaagcccc acatgcatta ggtatttgct ctgatgstct 120  
ycccmacca tgcccctcac cccct 145

<210> 18715  
<211> 106  
<212> DNA  
<213> Homo sapiens

<400> 18715  
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cttaatgcac ctttttaggt tccttaacaa tagcagtttt aacatt 106

<210> 18716  
<211> 107  
<212> DNA  
<213> Homo sapiens

<400> 18716  
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gyggccggga gcgcccctcg cctcgctcct cgctccgctt ggtgtca 107

<210> 18717  
<211> 111  
<212> DNA  
<213> Homo sapiens

<400> 18717  
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ctcctaagtc tagatgatga gttagtgggt gcagcgcacc agcatggcac a 111

<210> 18718  
<211> 108  
<212> DNA  
<213> Homo sapiens

<400> 18718  
gagtttgtag agacacggag gaggagagag cctgtgcttt gcctgccgcc gcggctgggg 60

gagatctggc ttttgcaaca gccaccccc tttgagatca ctctggcc

108

<210> 18719  
<211> 140  
<212> DNA  
<213> Homo sapiens

<400> 18719  
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gcaaagaatt gactctcatg actgaagaag aaacacgatt aagagagtct gtwgyacaga 120  
yggttgagtt tgctgagcac 140

<210> 18720  
<211> 421  
<212> DNA  
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<400> 18720  
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ctgaactcaa gtgatccacc caccttggcc tctcaaagtg ctgagattac aggcctgagc 120  
nactgtgccc tggatgacct aatgaaaaat ttctcagaag gtatcccat cttaaagcaa 180  
tacctgactg tacttctgca ggatctttgc agaatactaa gttgttgtgt taaaggtaag 240  
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gttgactatt gaaatttcag ctagataatt ctttactgtg ggagcagttc tatgcaatgt 360  
agggatgtct aaagcakbta ntccctggcc tttaccacta gctgttcaat agaatccctg 420  
c 421

<210> 18721  
<211> 84  
<212> DNA  
<213> Homo sapiens

<400> 18721  
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tggaatggaa tcaacgagat tgca 84

<210> 18722  
<211> 270  
<212> DNA  
<213> Homo sapiens

<400> 18722  
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ctgcttctgg gttcaagtga ttctcctgcc tcagcctcct gagtagctgg gattacaggc 120  
acctgsmacc acacctggct aatttttgta ttttagtag agatgggggt tcaccatgtt 180  
ggccagnctt gtctcaaaact cctggcctgc ctgggctgca ggggttgggg tgggtgatgg 240  
tttgggaagt cataatcagt tgaaccacaga 270

<210> 18723  
<211> 197  
<212> DNA  
<213> Homo sapiens

<400> 18723

agtattttat ttctccttca cttatgaagc ttagtttggc tggatatgaa attctggggt 60  
 gaaaattcctt ttctttaaga atgttgaata ttggccccca ctctcttctg gctttagtaa 120  
 tttctacaga gagatcagct gttagtctga tgggcttccc ttcgtgggta acccaacctt 180  
 tctctctggc tgcccaa 197

<210> 18724  
 <211> 131  
 <212> DNA  
 <213> Homo sapiens

<400> 18724  
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 tttgccatgt tggccaggct ggtctcaaac tcctgacctt aagtgatcca cccccacccc 120  
 cccgccccaa t 131

<210> 18725  
 <211> 131  
 <212> DNA  
 <213> Homo sapiens

<400> 18725  
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 ggccaaggca agcagatcat ttatggtcag gagttcgaga ccagcctggc caamatggtg 120  
 aaasccccgt c 131

<210> 18726  
 <211> 249  
 <212> DNA  
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<400> 18726  
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 cagccagact tttttgtgaa actcagatca gccacccagg aggaaagagc gggctgaggr 120  
 aaaccagaa rggasycaag ctctgagacc aaaagttgac cctcgggwag gttgtcctg 180  
 mctggggccc cacttgaagg aggcaggamm gaggcaccga ggccaggag acgccaacg 240  
 agcagccc 249

<210> 18727  
 <211> 107  
 <212> DNA  
 <213> Homo sapiens

<400> 18727  
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 atccattgca ctccgattw gctgacccw gcgattwccc caaatgt 107

<210> 18728  
 <211> 106  
 <212> DNA  
 <213> Homo sapiens

<400> 18728  
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 atctatccca cctgtacctt aggctctgat taggacttag aatact 106

004220" 666E7560

<210> 18729  
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<212> DNA  
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<400> 18729  
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atgtwytyty gwgggyaaaat atatgtaaca aaatctacca ttttaactat 110

<210> 18730  
<211> 126  
<212> DNA  
<213> Homo sapiens

<400> 18730  
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gcgggcagat gccctgagcc caggagtctg agaccaggct ggacaacatg gtgaagcccc 120  
atctaa 126

<210> 18731  
<211> 154  
<212> DNA  
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<400> 18731  
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aaacaaaaca acttttgtaa tagcagcagc gtattagaat ctaaaatacg cctttgttct 120  
tttaaaagat aacattaaag agatttttgc ggga 154

<210> 18732  
<211> 251  
<212> DNA  
<213> Homo sapiens

<400> 18732  
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ccagcgcttt gggaggctga ggtgggcaga tcatgaggtc gggagatcgg gaccatcctc 120  
abcctcccaa gcagctggga ctacaggcgc atgcaaatga gctaagtttt gtattttttg 180  
tagagatgag gtttgccatg ttgccagac tggctcttaa caaataaatt aaacannttc 240  
ctgacacaag a 251

<210> 18733  
<211> 242  
<212> DNA  
<213> Homo sapiens

<400> 18733  
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tcctgaaagt tgtccagggc tgtgggaaaa aagttgaata ttccagtga agttctattg 180  
acactaaagc taacactgaa tcaactcaatt atcccagcct atgctttttt tttttttttt 240  
tt 242

<210> 18734  
 <211> 389  
 <212> DNA  
 <213> Homo sapiens

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tttattgacc ctgtaagaag agcccaaaga agcctagtgt ttgaggggtc gcttactggt	120
gaattgtggc atttgatcac ttgtaaatga ctcaggggga ttttactatt gaaagatggt	180
ggcaccattt ttttccctc attcttttaa cacttttgct attcctgaaa cctggtagaa	240
aaccattatc tcgaaggnag tgttagtttt caagcgaagt ataagataaa gggcttcttt	300
gtatgtacat attcttgga gaagggaatt attgcctttg acctaaaagg aagaggctga	360
ggcacaaaat atatttgaag agtttactt	389

<210> 18735  
 <211> 127  
 <212> DNA  
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caggtaatcc tcccacctcg gctcccaaa atgctgggat tactggcgtg agcaccttgc	120
ccggcct	127

<210> 18736  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<400> 18736	
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ccatcggaat taatttttgt ataagggtga aggaagggat ccggtttcag ctttctacat	180
atggctagcc agttttccca gcaccattta ttaaataagg agtcctttcc ccagtgttta	240
ttttgtcag gtttgtcaaa gatcagatgg ttatagacgt gtagtcttat ttctgaggac	300
tctgttctgt tctattggtc tatatctctg ttttggtagc agtaccatgc nnktttggtt	360
actgtagcct tgcagtatag tttgaagtca ggtagtt	397

<210> 18737  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

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ccctgctgat cwgcctttca tttwtcwtca gaagtaactc agctagaaga tgaataccaa	180
ttacagtttt ctgggggtgag ctagaaggaa actggtaagc ttggaaagct tgtctatggc	240
cc	242

<210> 18738  
 <211> 155  
 <212> DNA  
 <213> Homo sapiens

<400> 18738  
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 caaccgtctc agtgctgtgc cccccccaga gcta 155

<210> 18739  
 <211> 186  
 <212> DNA  
 <213> Homo sapiens

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 ccagctactt aggaggctga ggcaggagaa tcccttgaa ctaggaggtg gagcttgacag 120  
 taagcccaga tcaggccact gcactccagc ctgggtgaca gagcaagact ccgtctcaaa 180  
 aaaaaa 186

<210> 18740  
 <211> 301  
 <212> DNA  
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<400> 18740  
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 taattctgtc atcatgttgc tagctgttta ttatgaagat ttgattgtgt agtttctact 180  
 ttatagtgtc aatggctctat gtatttaagt gtgtttttgt ggtggctggt aacagtcttt 240  
 aatttctatg tttagckctc ctttctggac ctcttgtaag gcacatctgg tggttaacaaa 300  
 t 301

<210> 18741  
 <211> 114  
 <212> DNA  
 <213> Homo sapiens

<400> 18741  
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 gaaggggtcc agtttaagtt ttctgcatat ggctagccat ttctocctgc acca 114

<210> 18742  
 <211> 97  
 <212> DNA  
 <213> Homo sapiens

<400> 18742  
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 actatctttt gggtcttaat tttttttttt ttttttt 97

<210> 18743  
 <211> 151  
 <212> DNA  
 <213> Homo sapiens

<400> 18743

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 catcttaaca gctgatttgg ttaacattca gtattcattc ttaattctcaa aaaggatatc 120  
 aacaaaaaat tatcacaag catcaaaactt c 151

<210> 18744  
 <211> 214  
 <212> DNA  
 <213> Homo sapiens

<400> 18744  
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 gaggtgtgtg gatcacaagg tcaggagttc aagaccagcc tggccaagat gatgaaacct 120  
 cctctctact aaaaatacaa aaattagcca cgcacggtgg caggcgcttg taatcccagc 180  
 tactcgggag gctgaggcag gagaatcgct tgaa 214

<210> 18745  
 <211> 63  
 <212> DNA  
 <213> Homo sapiens

<400> 18745  
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 atc 63

<210> 18746  
 <211> 187  
 <212> DNA  
 <213> Homo sapiens

<400> 18746  
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 cagataattt kgttgcccat gcactaagca tagaaccgaa taggtatytt tttaaattat 180  
 ctcccca 187

<210> 18747  
 <211> 262  
 <212> DNA  
 <213> Homo sapiens

<400> 18747  
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 ctactcggga ggctgaggca agagaatttc ttgaaccag gaggtggaga ttgtagttag 120  
 ctgagatgga gccactgcac cccagcccag gtgatagagc aagactttgt ctcaaaaaaa 180  
 taarataraa ttaaggrcca acyawychta aaawtaggcc gagscggrag ggmccacmag 240  
 akktctgtcc aacatggtga aa 262

<210> 18748  
 <211> 119  
 <212> DNA  
 <213> Homo sapiens

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acaatgagca ggtttggttac ataggtatac atgttcctg ttggtttgct gcaccctca 119

<210> 18749  
<211> 207  
<212> DNA  
<213> Homo sapiens

<400> 18749  
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aaccctcac ctaggTgtta agcccgcat gcactagcta tTTTgsctca ggctcttVcc 120  
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tgtgttctca ttgttcagcc cccacta 207

<210> 18750  
<211> 338  
<212> DNA  
<213> Homo sapiens

<400> 18750  
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tatgtaatct gaattggTac aacttcctct gcrwgtagt aaaaggagcc atataccawa 120  
atttamTTTc cavgactta macaaaataa gatttatattg aattaataaa ttgggatttt 180  
cattctTTTct tTcatattta tactctTTTca tmtcagggtt tcttgcacaa gTTTtagatt 240  
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<400> 18751  
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<211> 289  
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<400> 18752  
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matwarTTTr ctgagaatga tggTTTccag cttcatccac gtccctacaa aggacatgaa 180  
ctcatccttt tTatggctgc ataaggagta catgtgaaga tttgttatat aggtaaactc 240  
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<212> DNA  
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<400> 18753  
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00513599 "02400

ccaacatgga gctgtgagat cacccttgaa ggatgtcttg aaggaacagg tatcttccag 120  
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<210> 18754  
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 <212> DNA  
 <213> Homo sapiens

<400> 18754  
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<400> 18755  
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 <212> DNA  
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<210> 18757  
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 <212> DNA  
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<400> 18757  
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 gagaaatctc caactgtttt tcatagtagc tgtactaatt tacattc 107

<210> 18758  
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<400> 18758  
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<210> 18759  
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<212> DNA  
<213> Homo sapiens

<400> 18759  
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<210> 18760  
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<212> DNA  
<213> Homo sapiens

<400> 18760  
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tdataaata rtakaatcta gacttagaat aatgggtagt ggactgggtg tgtgtttt 178

<210> 18761  
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<400> 18761  
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tgaggccc 188

<210> 18762  
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<212> DNA  
<213> Homo sapiens

<400> 18762  
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tagamcccag atagatacag gac 143

<210> 18763  
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<212> DNA  
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<400> 18763  
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ttggcagrat gggatgggga ttgggtctaa tctacagga atcagttgga atacgtctgc 180  
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<210> 18764  
<211> 67  
<212> DNA  
<213> Homo sapiens

<400> 18764  
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gaggtgt 67

<210> 18765  
<211> 56  
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<400> 18765  
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<212> DNA  
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<400> 18766  
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wccatctaag awttaccaat ttagggaatt 150

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tkgggtwcc atcawhctma agcatttatg ctttgtgta caatccaatt atactctttt 180  
agttattttt aaatgtacaa ttaaattatt ttttactgta gttaccact gtgctatcaa 240  
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ccccgcgc 309

<210> 18768  
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<212> DNA  
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<400> 18768  
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cttttttggtg cttttttctg tttttttctc catcagctc cctagatatt tgttagattt 180  
aatattttta tttttttctg aagaagttag cttttgtatt tttaaataata taccagttg 240  
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<210> 18769  
<211> 128  
<212> DNA  
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<400> 18769  
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ggggkttt 128

<210> 18770  
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<212> DNA  
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<400> 18770  
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cgagactcca tctcaaaaaa aaaaa 85

<210> 18771  
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<400> 18771  
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tgggscwt 128

<210> 18772  
<211> 163  
<212> DNA  
<213> Homo sapiens

<400> 18772  
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tatcattagg tataatctcc taaatgctat tccctccccc ctc 163

<210> 18773  
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<212> DNA  
<213> Homo sapiens

<400> 18773  
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gcaccaccat gccagctaa tttttgtatt tttttagag atggggac 108

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<212> DNA  
<213> Homo sapiens

<400> 18774  
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tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgt 93

<210> 18775  
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<212> DNA  
<213> Homo sapiens

<400> 18775  
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 cagtaagcca agatcgcgtc actgcactcc agcctggacg agagcaaac tccgtctcma 120  
 aaaamtrmas aataaaaata gaccaggaga ggtgggtcac gcctgtaatc ccagcactct 180  
 gggagaccaa ggcgggtgga tcacctgagg tcaggagttc gagaccagcc tggccaacat 240  
 agagaaaccc cagcca 256

<210> 18776  
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 <212> DNA  
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 cctgtatggt gcaactgtgat gaggatttct tctagtggcc tccatgggtg acacatgaca 180  
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<210> 18777  
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<400> 18777  
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<210> 18778  
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<400> 18778  
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 aagaagtttag twatttawta cagtcttccc tgtctgtgct tgttggtatc catccttctt 180  
 agaggggctt tccctatggt tgaaaggact tacttggtat tatctgtgct gtaactgctt 240  
 tagnnacac tttcatttca gtaatgctgt ggttctagnn gacttgtgga ggtatcacc 300  
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<400> 18779  
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<210> 18780

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 <213> Homo sapiens

<400> 18780  
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<400> 18781  
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 gktggttgca tgectgtggt cacagct 147

<210> 18782  
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<400> 18782  
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 aatccagcat ccttggccg ggcacagtta ctaatgcctg taatcccagc actttgggag 120  
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 caaagtgtg ggattacagg catta 205

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 <212> DNA  
 <213> Homo sapiens

<400> 18783  
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 aaggaactgt gtctccattg ctatttctac caccaccca 160

<210> 18784  
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 <212> DNA  
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<400> 18784  
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 ggtggmatgc acctgtggtc tcaggggctc gggaaga 157

<210> 18785  
 <211> 218  
 <212> DNA  
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<400> 18785  
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 yttggraaga aaactgtttt tatagtctat gccagagagg tctatttggt aaaagctaca 180  
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<210> 18786  
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 <212> DNA  
 <213> Homo sapiens

<400> 18786  
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<210> 18787  
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<400> 18787  
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 ttgtcttaga ctgggctcca t 141

<210> 18788  
 <211> 127  
 <212> DNA  
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<400> 18788  
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 cccgatk 127

<210> 18789  
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 <212> DNA  
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<400> 18789  
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 taaagaataa tatggatgtg tc 82

<210> 18790  
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 <212> DNA  
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<400> 18790  
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 caamatatct attttgatga aaatgacata aaactagaca 100

<210> 18791



<211> 124  
<212> DNA  
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<400> 18791  
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taaacatttt ttggacatgt tgggtgaatt tatgtatgct tttctgttgg ttgctgggt 120  
cact 124

<210> 18792  
<211> 219  
<212> DNA  
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catagtattc catggtgtat atgtgccaca ttttctttt 219

<210> 18793  
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<212> DNA  
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<400> 18793  
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ccaaaggcac ctgggcacca gggactaaag tttgtctcag gaatttactg agatatgagg 240  
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<210> 18795  
<211> 79  
<212> DNA  
<213> Homo sapiens

<400> 18795  
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atatgcctgt acaggagac 79

<210> 18796  
<211> 224  
<212> DNA  
<213> Homo sapiens

<400> 18796  
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 agagaggatt ttattctgtc acccaggctg gagtkvggtg gcatgattat agcttactgc 180  
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 <213> Homo sapiens

<400> 18797  
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 ttgtamcaact tgyatatgtg ctgtggcctt tgtcatttct gacaacctga tggmcattct 180  
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<210> 18798  
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 <212> DNA  
 <213> Homo sapiens

<400> 18798  
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 tttagtgatc ccaagcagct ccttgcccoct cccact 157

<210> 18799  
 <211> 89  
 <212> DNA  
 <213> Homo sapiens

<400> 18799  
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 tcagccattg tacckggcct ggcctctgt 89

<210> 18800  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<400> 18800  
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<210> 18801  
 <211> 256  
 <212> DNA

<213> Homo sapiens

<400> 18801  
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 cttgaaacct ggggagacgg agattgcagt gagcagagat tgcaccactg cattccaacc 180  
 tgggcaacag agctagatca tgtcccaata aataaataaa taagaaaata ttgagactgc 240  
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<210> 18802

<211> 100

<212> DNA

<213> Homo sapiens

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<210> 18803

<211> 99

<212> DNA

<213> Homo sapiens

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<210> 18804

<211> 198

<212> DNA

<213> Homo sapiens

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<210> 18805

<211> 143

<212> DNA

<213> Homo sapiens

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<211> 114

<212> DNA

<213> Homo sapiens

<400> 18806

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<400> 18807  
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gcagggtgaa a 131

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<212> DNA  
<213> Homo sapiens

<400> 18808  
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<212> DNA  
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ttaaaaaaaaa agcaagttat acaggcaaca aatagcatga t 161

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 cccaggtgga atcatccctg cttccttgag gggactatta tggcagcctg gtaaaggatga 180  
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369

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<211> 143

<212> DNA

<213> Homo sapiens

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<210> 18818

<211> 199

<212> DNA

<213> Homo sapiens

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cggcatggcg aaccggtcac tactgaaaat acaaagatta gctggggctg gtggcgtgca	180
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<210> 18819

<211> 101

<212> DNA

<213> Homo sapiens

<400> 18819

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<210> 18820

<211> 96

<212> DNA

<213> Homo sapiens

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<210> 18821

<211> 172

<212> DNA

<213> Homo sapiens

<400> 18821

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<212> DNA

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<210> 18823

<211> 87

<212> DNA

<213> Homo sapiens

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 acacatcaat taaaggagac aaaaaga 87

<210> 18824

<211> 145

<212> DNA

<213> Homo sapiens

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<211> 339

<212> DNA

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 caaaattcag atctagaggc gaggagacag ggtttcttca tgccggtcag gctggtctcg 240  
 aactcccgc ctcagggtgat ctgccctcct cagtctccca aagnhnbttg gattacaggc 300  
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<210> 18826

<211> 63

<212> DNA

<213> Homo sapiens

<400> 18826  
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<210> 18827

<211> 65

<212> DNA

<213> Homo sapiens

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amgtgcaggg aaactgccct ttataraacc atcagattta gtgagatgta ttcactatca 180  
cgagaacagt atgggaaaaa cctgccccca tgrttcgatt acctcctacc gggtcctctc 240  
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<210> 18829  
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<212> DNA  
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<210> 18830  
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<212> DNA  
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<210> 18831  
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<210> 18832  
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<212> DNA  
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<400> 18832  
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<210> 18834  
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<210> 18838  
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<210> 18839  
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<400> 18839  
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<210> 18840  
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 ctgacctcag gtgatccacc cacctcggcc ac 92

<210> 18841  
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<210> 18846  
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<210> 18847  
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<210> 18855  
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<211> 176  
<212> DNA  
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<210> 18861  
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<210> 18862  
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<212> DNA  
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178

<210> 18864  
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<212> DNA  
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<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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<400> 18870  
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<212> DNA  
<213> Homo sapiens

<400> 18871  
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<400> 18872  
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gggttttgcc atgttgacca tgctgggtctt gaacttgcaa cctcaggtga cctgcctgcc 180  
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<400> 18873  
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 <213> Homo sapiens

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<212> DNA  
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<400> 18882  
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<210> 18886  
 <211> 92  
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<400> 18886  
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<210> 18888  
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<400> 18888  
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 aagttttttc tttaaaactc ttatttwaag tgttacggta tattattatt tttaaaataa 180  
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<400> 18889  
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<210> 18892  
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 aatacaatga cagagcaagc tatgtgattg caccattat ttggghnaat atcctttcag 120  
 gcagagggaa acaaatggga acaatggccc tgcagwgaga ataagcttgc aatatgtgtc 180  
 tggaagtgat taatcaagag ggagattag aggggtcaga gagagaagtg tgagatcata 240  
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 aatthctttg aataaactct atacctcttg gcgtttcttg atttcttgga tatccatcat 180  
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<210> 18895  
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<213> Homo sapiens

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<210> 18902  
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<212> DNA  
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<210> 18903  
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<210> 18904  
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<212> DNA  
<213> Homo sapiens

<400> 18904  
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ccaccca 128

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<400> 18905

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<212> DNA  
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<400> 18908  
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tattgaagca tgccccct	199

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cctccccccc ccc	133

<210> 18912  
 <211> 245  
 <212> DNA  
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gttattgrrt gcctgttagc actgagatta ctaagaatga gtgagacaag gtctccatcc	180
tcaaaaaggta cacagagctt tggaaggatga gataggcagg tattttaatc aagttttttg	240



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258

<210> 18916

<211> 146

<212> DNA

<213> Homo sapiens

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<210> 18917

<211> 318

<212> DNA

<213> Homo sapiens

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ggcgccctgt agtcccagct gcttgggagg ctgaggcagg agaatggcgt ggacccggga	240
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<210> 18918

<211> 151

<212> DNA

<213> Homo sapiens

<400> 18918

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<210> 18919

<211> 118

<212> DNA

<213> Homo sapiens

<400> 18919

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<210> 18920

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<212> DNA

<213> Homo sapiens

<400> 18920

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<210> 18921

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<211> 122  
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tggccccctaa	gccabtgagg	ctcyccctca	mctctgatta	tacaatgacc	ttgtggcagg	180
ccctgttctc	cactcccagc	angcctgaag	gactggggg	gattggatsc	cysmtgaagg	240
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 <212> DNA  
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128

<210> 18932

<211> 186

<212> DNA

<213> Homo sapiens

<400> 18932

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ccaaagaaag caaacagata ttcaaacct gattgctctt cattcaacta tatgttttaa	120
tagacaaaca aatatatagc tagtgagaac ttagctgtca ttaccttgcc ctdaagtatc	180
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<210> 18933

<211> 349

<212> DNA

<213> Homo sapiens

<400> 18933

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tatcacattt gtctttttaa tagactgccc ttcaagacaa tagagataga tcagtaatat	300
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<210> 18934

<211> 143

<212> DNA

<213> Homo sapiens

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<210> 18935

<211> 192

<212> DNA

<213> Homo sapiens

<400> 18935

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ctatgggctt rtgatggcc ttctatctct ggtgttttca tgcgggtcttt ttcaactgtgt	180
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<210> 18936

<211> 133

<212> DNA

<213> Homo sapiens

<400> 18936

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<210> 18938  
<211> 72  
<212> DNA  
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<210> 18939  
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<212> DNA  
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agggccaa 188

<210> 18940  
<211> 77  
<212> DNA  
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gtctctgtcc ccgccgt 77

<210> 18941  
<211> 148  
<212> DNA  
<213> Homo sapiens

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<210> 18942  
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<212> DNA  
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atgtgccatg ctgggtgtgct gcacccatta actcgtcatt tagcattagg tataatctcct 240  
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ggtgggagga ttgtttgaat ctaggatttg aagggttacag ctatgattgt gccactgcac 180  
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<210> 18945  
<211> 108  
<212> DNA  
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<210> 18946  
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<212> DNA  
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<400> 18946  
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<210> 18948  
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 cctgtagtcc cagctamttg ggaggctrag gcaggagaat cgcttgaacc cgggaggcgg 180  
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 catctc 246

<210> 18949  
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gmatatgttt ctaacttttt ttttctgcac acaagttcat ggtccttcta tacttgatag 180  
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ttgaaccag gaggcggagg ctgaagttag acgaagtgtg gccattgctc tccagcctga 240  
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<210> 18968

<211> 96  
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<211> 99  
<212> DNA  
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<210> 18971  
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<212> DNA  
<213> Homo sapiens

<400> 18971  
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<210> 18972  
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<212> DNA  
<213> Homo sapiens

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aagatgagtg	ctattttatc	cagctaagaa	aattcttccc	catttatcca	ttgtctgtga	180
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<210> 18984

<211> 112  
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<212> DNA  
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gagttcaaga ccagcctggc caacatggcg aaaccctgtc tctactaaaa atacaaaaat 120  
tagctgggcg tgggtggcgga tgctgtaat ctcagctact caggagtcta aggcaagaga 180  
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ctccaa 246

<210> 18987  
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tccccccaca a 131

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<212> DNA  
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<211> 88  
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 tggttgccar rctggcctcg aactcctgac cttcgggtgg atccgcgtgc ctctgcctcc 180  
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<210> 18996  
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 <212> DNA  
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<212> DNA  
<213> Homo sapiens

<400> 19002  
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<400> 19003  
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<210> 19005  
<211> 138  
<212> DNA  
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<400> 19005  
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<212> DNA

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<210> 19007

<211> 128

<212> DNA

<213> Homo sapiens

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<210> 19008

<211> 148

<212> DNA

<213> Homo sapiens

<400> 19008

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agtataggat gcttctcctc tccccgca	148

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<211> 148

<212> DNA

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aaaaaaaaact tactaggggc cgggcama	148

<210> 19010

<211> 54

<212> DNA

<213> Homo sapiens

<400> 19010

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<212> DNA

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yactatdtca tttccccctg cct

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<212> DNA

<213> Homo sapiens

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<212> DNA

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<211> 153

<212> DNA

<213> Homo sapiens

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<210> 19016

<211> 145

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

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<212> DNA

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<211> 161

<212> DNA

<213> Homo sapiens

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<210> 19021

<211> 352

<212> DNA

<213> Homo sapiens

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<210> 19022

<211> 66

<212> DNA

<213> Homo sapiens

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 gtgcct 126

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<400> 19029  
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 <212> DNA  
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 <212> DNA  
 <213> Homo sapiens

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 ssaaaaatgc aaaaccawac caaaaaacac cctagagaag cagaacaata taaaattaaa 180  
 cacacacaca cacacaca 198

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 cca 243

<210> 19033  
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 <212> DNA  
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<210> 19034  
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 <212> DNA  
 <213> Homo sapiens

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 gaaatataaa atagcatatt aattttcaca gaaggaaatt agctattatc ttataatttt 300  
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<210> 19036  
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 <212> DNA  
 <213> Homo sapiens

<400> 19036  
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 <212> DNA  
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 aagtcattag taaaaatggt cagtagatgg gaagctgctt acataagcta atttgactg 180

accaacmagg macacagtca gtcctctgta cctgtggggt ctgcatttgt ggattcaacc 240  
gtccatggag aga 253

<210> 19038  
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
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<400> 19039  
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atattccatt gtgtgaagat atcacagttt ataaaatcac tgtctcttat agatggacat 180  
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ctggttagat gaccaangct tctctggggt 270

<210> 19042  
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<212> DNA  
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aacgtaaggc aaatcacatc actcttctgc tgaaaacctt cccatgcctt gccagtcatt 180



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229

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51

<210> 19044  
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<212> DNA  
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<400> 19044  
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<400> 19046  
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<400> 19047  
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116

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 ttcacccata accacgatgt gggggatctc acctgggaca agattgccgt ctccctaccc 180  
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<210> 19050  
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 ggtttttgta ttttttagtag agatgwgggt tcaccatatt ggccagggtg gtctcgaact 180  
 gctgacctca ggtgatccac ccactttgat ctcccaaagt gctgggatta taggcatgag 240  
 ccaccgcgcc cagcctcatt ttaataaatt aataaattct gctctctctg gaggtctaga 300  
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<210> 19053  
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<400> 19053  
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tcaaaaatta atcccctctg ggcatagtct ctccctggc 159

<210> 19054  
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<400> 19054  
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atgtctacaa gagtttttcc catgttcttc tagaattttt atggtttcag gtcttagatt 180  
taagtatttg atccatcttg cattgatttt tgtgtaagtt aagaggcaag gatccagctt 240  
cattctacat gtggsttggc aattatccta gcaccatttg ttgaatanna tgtccctttac 300  
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<210> 19055  
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<212> DNA  
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<400> 19055  
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cgcgccgtgt aatccagct actccagagg ctgaggcagg agaatcactt gaaccccgga 180  
ggcagaagtt gcagtgaacc aaaatcgtgc cactgcactc cagcctgggc aacagagcaa 240  
gactttgacc ctcccctcac 260

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<210> 19057  
<211> 76  
<212> DNA  
<213> Homo sapiens

<400> 19057  
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<210> 19058  
<211> 128  
<212> DNA  
<213> Homo sapiens

004220" 66666666

<400> 19058  
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<212> DNA  
<213> Homo sapiens

<400> 19059  
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ttgagaccag cmtgaccaac atggtgaaac tctgtctcta ctaaaaatac aaaaattagg 180  
tgtggtggca cgcgcctgta atcccagcta ctcaggaggc tgaggcagga gaatcaccca 240  
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<210> 19060  
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<212> DNA  
<213> Homo sapiens

<400> 19060  
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ggtttrgcaa ctctgtcat tttgcagcct tgctaagatc tgacaagagt gcttaggtga 180  
ctttattctt ctggatgtgt gcagtgggaa actgccttat gcagtgcac agtgcggatt 240  
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<210> 19061  
<211> 116  
<212> DNA  
<213> Homo sapiens

<400> 19061  
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<210> 19062  
<211> 189  
<212> DNA  
<213> Homo sapiens

<400> 19062  
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ttttttgctc attgacttat ttaagttcct tatagattct ggataatagg cttttgccag 120  
atgcctagtt tagtgagtat tttctcccat tctgtagggt gtctgtttac ttctttgata 180  
gtttctctt 189

<210> 19063  
<211> 157  
<212> DNA  
<213> Homo sapiens

<400> 19063  
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 gtgggtatta catgcattgc tgaagagtca tcttggtgtt cctcattcct cccaccttcc 120  
 cgtgggtcatt ttaattacgg ggcagtgtca ccgcagt 157

<210> 19064  
 <211> 54  
 <212> DNA  
 <213> Homo sapiens

<400> 19064  
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<210> 19065  
 <211> 252  
 <212> DNA  
 <213> Homo sapiens

<400> 19065  
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 mtcagtgaag tccagarccc tcccttctcc gtacactttt ggctgtggct acctcactgc 180  
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 ttgctccac at 252

<210> 19066  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 19066  
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 caccatagg ttcaacataa aggaatggag aaagatctgt cacaaacatg gaaagtaaaa 120  
 maaaacaggc atcattaatt tcttgacacag aataaaacag actttaaaaa agacaaataa 180  
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<210> 19067  
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 <212> DNA  
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<210> 19068  
 <211> 306  
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<400> 19068  
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004229" 6662560

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ttacgt 306

<210> 19069  
<211> 86  
<212> DNA  
<213> Homo sapiens

<400> 19069  
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acagttaaac cccgtctcta ctaaaa 86

<210> 19070  
<211> 94  
<212> DNA  
<213> Homo sapiens

<400> 19070  
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gagaaatctc caactgtttt tcatagtagc tgta 94

<210> 19071  
<211> 102  
<212> DNA  
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<400> 19071  
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ttttatccct caccctctcc caccctttcc ctctgagccc cc 102

<210> 19072  
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<212> DNA  
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<400> 19072  
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cggcctggc cagca 135

<210> 19073  
<211> 192  
<212> DNA  
<213> Homo sapiens

<400> 19073  
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gaatctatgt taagggtaaa tgggtgctag ttttactgtt ccttccatht wtctgtaagt 120  
tgaagttttt aaaaatamaa aggggtgakma attahaatgt tttaaaaaac maatatcaaa 180  
gctttttttt tt 192

<210> 19074  
<211> 127

<212> DNA  
<213> Homo sapiens

<400> 19074  
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caggtaatcc tcccacctcg gcctcccaaa atgctgggat tactggcgtg akcaccttgc 120  
cggcct 127

<210> 19075  
<211> 115  
<212> DNA  
<213> Homo sapiens

<400> 19075  
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ggtatatggc cagggtattgg tatgaatctt gagcctgagg acgacccccg acaaa 115

<210> 19076  
<211> 106  
<212> DNA  
<213> Homo sapiens

<400> 19076  
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caaatcaaga actcaacccc ttttacagta gctgcaaaaa aaaaaa 106

<210> 19077  
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<212> DNA  
<213> Homo sapiens

<400> 19077  
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aaccacaatg gacactgcc a gccawagcct tgttcttctc cagcagctga acatgcagcg 120  
agaa 124

<210> 19078  
<211> 102  
<212> DNA  
<213> Homo sapiens

<400> 19078  
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ttcatcatga ttttgttgc ctgaatacct tgttttcttt ct 102

<210> 19079  
<211> 94  
<212> DNA  
<213> Homo sapiens

<400> 19079  
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ttaaccagtt tttgtttttt ttttttggcc cttt 94

<210> 19080  
<211> 177  
<212> DNA  
<213> Homo sapiens

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<210> 19081  
<211> 393  
<212> DNA  
<213> Homo sapiens

<400> 19081  
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tttgactttg tataatcctg tatggcttta cttactttca gggatctctt taatagtgcc 120  
tatctataat tttagccatt agttccatta aaaaaaatct gtcattaggc atttctagcc 180  
tagaaaacca gaaaatcata tatcggagca tatatttgag ggctctccag cctgcttctt 240  
aaaagtccat tcaaaagagt tttawttagc tgggcatagt ggctcacgcc tgtaacccta 300  
gcactttgga aggctgaagt tgggggatcc cwdcaactca ggagtttgag accagcctgg 360  
gcaatatgag gagacctact taaaaaacia acw 393

<210> 19082  
<211> 122  
<212> DNA  
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<400> 19082  
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ac 122

<210> 19083  
<211> 188  
<212> DNA  
<213> Homo sapiens

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aaagattwct ttaggwtttc cacacatgga atcacatggc atcactaccc attcccwgcw 180  
cctgccaa 188

<210> 19084  
<211> 86  
<212> DNA  
<213> Homo sapiens

<400> 19084  
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<210> 19085

<211> 145

<212> DNA

<213> Homo sapiens

<400> 19085

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agatgcagcg cgacasvacg tggcggcatc cctcgamgct twgcaggccc tgwgccccva	120
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<210> 19086

<211> 328

<212> DNA

<213> Homo sapiens

<400> 19086

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ttcaattcct tttcctcatg ttttgaatta ttttcttagt gattgcatgt atgatatatg	240
tcttaagtta tcacagtgtt cttcagatca gtactaaaat tctctagaac atggaaactt	300
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<210> 19087

<211> 73

<212> DNA

<213> Homo sapiens

<400> 19087

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<210> 19088

<211> 181

<212> DNA

<213> Homo sapiens

<400> 19088

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tggaatggag tgtaaaggaa ttgaatggac tcaacccgaa tggaatggag tggaacggaa	180
t	181

<210> 19089

<211> 88

<212> DNA

<213> Homo sapiens

<400> 19089

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atgggattga aaaattcaat cctcagct	88

<210> 19090

<211> 249

<212> DNA

<213> Homo sapiens

<400> 19090

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tacatgttca caacatgcag gtttgttaca taggtataca tgtgccatgt tggtttgctg    180
cacccatcaa ctcgtcattt acattaggta tttcttctaa tgatatcccg cccccagtac    240
ccccccaa                                     249

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<210> 19091

<211> 279

<212> DNA

<213> Homo sapiens

<400> 19091

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gagagccagg tatggtggtg catgcctgta gtcctagcta tatggaaggc caaggtggga    180
agatccctta agcccaggag tttgacgctg cagtgcagctg tgattgtgcc actgcactcc    240
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<210> 19092

<211> 110

<212> DNA

<213> Homo sapiens

<400> 19092

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cttctactct gagggatatt tgaaatat tctcataaaa atcattttac atatttttat    60
ttcctaaaaa ctaaaactgt tgtgaacttt tcacattggg aaaaaaaaaa    110

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<210> 19093

<211> 191

<212> DNA

<213> Homo sapiens

<400> 19093

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gagagtagtc agagcaccaa atgaccgacg atrmagagtt tatgctgagg aatattttaag    60
tttgaccat tttggctaca agtagcaata acccggccaa gctaacttaa tcaaaggagg    120
aatgdsattg ctgmatttta gggatatcct acccaattca agaggaggga tgtagttgcc    180
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<210> 19094

<211> 148

<212> DNA

<213> Homo sapiens

<400> 19094

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cgtgaacctg ggaggcggas ttgcagtgcg ccgagatagt gccactgcac tccagcctgg    60
gcgacagagc gagactctct caaaaaaatt araataaaat aaaaacatta avaaaaaaag    120
agtataggwt gcttctcctc tccmmgca                                148

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<210> 19095

<211> 116

<212> DNA

<213> Homo sapiens

<400> 19095

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gattcaactt gaatggaatg gaaagaatgg aatcaacacg agtggaatgg cagtac	116

<210> 19096

<211> 364

<212> DNA

<213> Homo sapiens

<400> 19096

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ggcagagaaa catcaaggag atggaatatg ctcttgaaaa aggacctgtt gttttaattt	180
gtacacatta aagtcattctt ttcaagggtgc ttcttaaaag ttcagcctgc aatgtccaaa	240
ggacaaaaag tagatgtccc tctgagattt tgctacaatg aawnnkatta aagggtttta	300
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tcca	364

<210> 19097

<211> 101

<212> DNA

<213> Homo sapiens

<400> 19097

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<210> 19098

<211> 204

<212> DNA

<213> Homo sapiens

<400> 19098

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gctggttttt gtgttttvt ggagatgggg ttttaccatg ttggtcacac tggcttgaa	180
ctcctgaact caagcagtcc gccc	204

<210> 19099

<211> 210

<212> DNA

<213> Homo sapiens

<400> 19099

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aacactgact cttgggggtcc cggtagcca gtggttctca tggaggcgag taggaggcct	120
gggcatcagc stgtgaatgc agtgaggccc ctcccgagg atgcctgacc tacgacctac	180
ctgaaattca ccaactgaca gggcaacctt	210

<210> 19100

<211> 171

<212> DNA  
<213> Homo sapiens

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ctgcctcaat ctctaagta gctgggacta caggcatatg ccactacgcc c 171

<210> 19101  
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<212> DNA  
<213> Homo sapiens

<400> 19101  
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ccaagctctt ttggcttgta 80

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<212> DNA  
<213> Homo sapiens

<400> 19102  
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aattattttt ataatacata gacataatac agtttgaaat attttctaag ttttgtttat 180  
ttttatttgt ttgtttattt atttcaatag ttttggggaa cagggtggtt ttggttacat 240  
ggataagttc tttagtgggtg atttctgaga ttttgggtgca cttgtcacc aagtagtgvn 300  
nkctgtaccc aatacatggt cttttacatc tcacccccdn kw 342

<210> 19103  
<211> 323  
<212> DNA  
<213> Homo sapiens

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gcgcggcggc ggtggcatct gcggccatgg cggcgactay tgcmaacccc gaaatggvca 120  
tcagatgtac matcactggg tccascmat gctctggaa actctggacc tggaattcaa 180  
ggtggaggas ccattgtcca gagggctatt aagcggcgac cagggtgagt ttgagtgwag 240  
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actcacttcg cwattcctga cca 323

<210> 19104  
<211> 124  
<212> DNA  
<213> Homo sapiens

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acga 124

<210> 19105

<211> 170  
<212> DNA  
<213> Homo sapiens

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tgtctattag gtctaattgg tctagtgtcg aatctaagtc tagaatttct ttattagttt 120  
tctgcctcaa tgatctwtck aatgcwgtca rgwggggmat tgaartcccc 170

<210> 19106  
<211> 70  
<212> DNA  
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<400> 19106  
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ctttttatat 70

<210> 19107  
<211> 132  
<212> DNA  
<213> Homo sapiens

<400> 19107  
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tctcgagtag ct 132

<210> 19108  
<211> 114  
<212> DNA  
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<210> 19109  
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<400> 19109  
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<210> 19110  
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<212> DNA  
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<400> 19110  
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<400> 19111  
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<210> 19112  
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<400> 19112  
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<210> 19113  
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 tcc 123

<210> 19114  
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<210> 19115  
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<210> 19116  
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atTTTTatTTt tgtaaagaca gggTctcact atgttgccca ggctggTTtc agattcctga 180  
gttcaagcca ttctcccatc ttagcctctc aaagtgtctg ctgggattac agacgtgagc 240  
cacCGtatct ggcactca 258

<210> 19117  
<211> 120  
<212> DNA  
<213> Homo sapiens

<400> 19117  
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acatctgttt gccagaactg actaggtkcc aattctttac ggttaacacc tattgaagga 120

<210> 19118  
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<212> DNA  
<213> Homo sapiens

<400> 19118  
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tagccattct ggctgggtata agatgggtatc tcattgtggg ttTwatttgc atttctctaa 240  
taattaggct gagcattTTta taatatgctt attggatgca tgaaatgtct tctTTtgaga 300  
actgtctgtt catatcctcg gccca 325

<210> 19119  
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<212> DNA  
<213> Homo sapiens

<400> 19119  
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<210> 19120  
<211> 120  
<212> DNA  
<213> Homo sapiens

<400> 19120  
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taagaataga ttggmaggcc aagtgtggTg ggctcaagca attctaccac tcggcctccc 120

<210> 19121  
<211> 193  
<212> DNA  
<213> Homo sapiens

<400> 19121  
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cgtcttTggc tctgtagtag ttgggrctac caggtrgcac aaccaccatg cctgactaat 180  
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<210> 19122  
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 <212> DNA  
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 tggctaattt tttgtatttt tagtagarga mctgggtttc atmacgttag ccaggatggg 180  
 ctcgatctct tgacctcatg atctgcccgc caaggtggag gacggacgag aagacaccct 240  
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 agctcagagc cccaagcccc tcnnttcmta tctgagggct gctgtgagga gccaagaagg 360  
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 gycattattg tga 433

<210> 19123  
 <211> 243  
 <212> DNA  
 <213> Homo sapiens

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 catgatcatg ccaactgcact ccagctgggc aagagtgaga ccctgtctca aacaaaacaa 180  
 aacaaaacaa acaanaaaga aaactgcctg gtgcagatcc aattagattc ctccccntcc 240  
 cac 243

<210> 19124  
 <211> 144  
 <212> DNA  
 <213> Homo sapiens

<400> 19124  
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 ggagtccaac gagacaacag agaatacaga atctcaccag aggckhgctt tttgcagggt 120  
 ccctgtgtct tcttaggcaa gtwa 144

<210> 19125  
 <211> 74  
 <212> DNA  
 <213> Homo sapiens

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<210> 19126  
 <211> 101  
 <212> DNA  
 <213> Homo sapiens

<400> 19126  
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101

<210> 19127

<211> 108

<212> DNA

<213> Homo sapiens

<400> 19127

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cttcccagat agctgagact gcagggtgcc tccaccacgc ccagctga

60

108

<210> 19128

<211> 277

<212> DNA

<213> Homo sapiens

<400> 19128

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tttgatttac tgtaaaaatg rrggaawtaa aagtgactga tttttaaatg atcagttttt  
gattaattgt ttttttcctg gtggatactg attcacatca aggggattct tttttgaagc  
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60

120

180

240

277

<210> 19129

<211> 62

<212> DNA

<213> Homo sapiens

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60

62

<210> 19130

<211> 194

<212> DNA

<213> Homo sapiens

<400> 19130

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ccacctcctg agttcaagcg attctcccs gcytcagcncc ctgagtagct gagwktacag  
gcacacacca caaa

60

120

180

194

<210> 19131

<211> 229

<212> DNA

<213> Homo sapiens

<400> 19131

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aataaatgat tgtaattat agtcctccac actgtactac taaatgctta aacttattcc  
ttctatctag aggtttttgtg cccactaatc attccgcctt taccgcgcc

60

120

180

229

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<212> DNA  
<213> Homo sapiens

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atgactcaaa tccatacctc agcaaaataa tatttaccat atatcatgag cgtatgaggt 120  
ctgatgtgga tacctgaaac tatgaawkgg taaaattcctt aaatgccaaag tgtctagggg 180  
caatagcata gacatactga tagaaattac aactcagggc caggcgtggt ggctcatgcc 240  
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<210> 19133  
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<212> DNA  
<213> Homo sapiens

<400> 19133  
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gtcaagtcca ggaaagcaca gtcatatggc tatggtagac aatatattcg tcatgacc 118

<210> 19134  
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<212> DNA  
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aatctgttcc atctgggtcac taattwttat attttaagta atgtttgtgt wtatgatcca 180  
cattatgcta taaacagaat taatgtgaat tgtggtgttt ttaattaaca tactagttat 240  
tcctaaggaa ttatctagag tgtgtccttg tataatcagt tgaggaaaga gattttcaaa 300  
gagaaaatga cccacaata aatcacccca 330

<210> 19136  
<211> 93  
<212> DNA  
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<400> 19136  
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ttctagamaa tgcaggctaa gcgacagtta caa 93

<210> 19137  
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004220" 666E T560

<212> DNA  
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<212> DNA  
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cctatcccca tcaggagtca ttctcccat tcctctvcat gctcccagcc cctggkaact 180  
actaatctgc tttctgtcga ac 202

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<212> DNA  
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cgctcttcc tgggttcaag tgawtctcct gcctcagcct tctgagtaga tgggactaca 180  
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gccat 365

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<211> 81  
<212> DNA  
<213> Homo sapiens

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cttgctattt tagccttttt t 81

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<212> DNA  
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<212> DNA  
<213> Homo sapiens

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 aaggaggcag gagtgtcava gtgacggaag aaaatgtaht gtaacabtgg aa 172

<210> 19143  
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 <212> DNA  
 <213> Homo sapiens

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 aggaatacca garggagtcg awgcttattt gatgcccc 159

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 <212> DNA  
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 gagacaggag acattatgca ttttctgaaa taccagacca gtttttagac gcacatagca 180  
 attcataaga tttttttttt 199

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agaaccatga gaaaaagtas gcctgtgtta gattaaaagt aaractgcag gcctggtgca 180  
gtgggttcacg cctgtattcc tagcactttg ggaggcc 217

<210> 19148  
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<212> DNA  
<213> Homo sapiens

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cat 243

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<212> DNA  
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<212> DNA  
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tccaatcaat agaaaaagag ggaatcctcc ctaactcatt ttatgaggcc agcatcatcc 240  
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<210> 19151  
<211> 58  
<212> DNA  
<213> Homo sapiens

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<210> 19152  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 19152  
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tctgttatcc acagactcct ctagggaact tccataggct gc

162

<210> 19153

<211> 195

<212> DNA

<213> Homo sapiens

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cccgtctcta ctaaaaatac aaaaattagc cgggcgtggt ggcattgtgc ttagtccca	180
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<210> 19154

<211> 328

<212> DNA

<213> Homo sapiens

<400> 19154

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ggatcacggg gtcgggagtt tggagaccag cctggccaac atggtgaaac cctgtctcta	180
ctgaaaatgc aaaaaattag ctgggcgtgg tggcgggtgc ctgtggtccc ggctactcgg	240
gaggctgagg caggagaact gcttgagccc gggaggcgga ggttgcattg agccgaggtt	300
gcgccacctc attccagccc ggggtgaca	328

<210> 19155

<211> 271

<212> DNA

<213> Homo sapiens

<400> 19155

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catctcctca agcatttatc cttctttttt tgcatttatc ctttttatta caagcaatgt	120
aattatactt tttaaattat tgtaaagt acaattaaag tattattgac ttagtcccc	180
ctgttggtgc atgaaatact gtcttattta ttctttctaa ttttttttgt actcatcagc	240
catctccacc tccccaccac ccaccaccc a	271

<210> 19156

<211> 191

<212> DNA

<213> Homo sapiens

<400> 19156

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ggtcaccaag gctggaatgc agtgggtgcaa tcacagctca gtgaagcctt gagcttctgg	120
gctcaagctg tctctccgcc tcarcctccc tgagtagctg ggactacagg cgtgcgacca	180
ccataccggg c	191

<210> 19157

<211> 84

<212> DNA

<213> Homo sapiens

004220" 66666666

<400> 19157  
aagcataatt aaaaaaagtg atatcccttt cgttctgtct tctgggttatt tggggagcaa 60  
taataatgaa attctcaact cacc 84

<210> 19158  
<211> 207  
<212> DNA  
<213> Homo sapiens

<400> 19158  
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cctcgggttg tccaccacc tcggcctccc ggggtgctgg gattgcaggt gtgggchacc 120  
gtgccggcc ttgactacca atattttwaa awttactgra ggactttttt gttctcttct 180  
tttyctttt tttaatagca cccact 207

<210> 19159  
<211> 128  
<212> DNA  
<213> Homo sapiens

<400> 19159  
cgtctctgtt cttatatatt tgaccttctt tctttgaaag gctgggcaat gaaacttggc 60  
acgttcttga atttgctaag ggtttaaaaa aagaaatcta cttctcaaat agcaactttc 120  
tagagtga 128

<210> 19160  
<211> 357  
<212> DNA  
<213> Homo sapiens

<400> 19160  
ccttaagcaa aatatccaag gcaactgctgc gaatgctaaa agtaggagaa gtgatttgtg 60  
catggctaatt tggcacagga gatagaagag agcaagtgcc tcagaggagg aactggtamt 120  
tttattgtga ctattgaaag gaaaggagag ggctgtggwt tgctgttga gaattgaggag 180  
atttntggaa gaagtgtgtt ttgagctggg ctctcagggg gcatcaatat ttgcagacag 240  
cagtgttttg agaccatgtg tctgcaacag gcagggtgtag aggcagcagg gtgtggttgg 300  
gagttgaatt gggatgcctt gttgggtgta tgmcatgggg atgacaattg gagatga 357

<210> 19161  
<211> 246  
<212> DNA  
<213> Homo sapiens

<400> 19161  
ctttaccatt atgtaatggc cttctttgtc tcttttgatc ttwgttggtt taaagwmtct 60  
tttatcagag actaggattc aacccttgct tttttttgct tttccatttg cttggwagag 120  
tcaagaccca tcattwgct gwatttaggr aaaccatct mamgtgcaga gacacacata 180  
ggctcaaaat aaagggatgg aggaagatct accaagcaaa tggaaagcaa aaaaaagca 240  
ggggtt 246

<210> 19162  
<211> 354  
<212> DNA  
<213> Homo sapiens

<400> 19162  
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 caggacccaa gggcaacctg ggctctaagg gcgaacgagg ctccccggga cccaagggtg 120  
 agaagggwga aachsrhcag cawctwcadg cccmaacdrc ggwgccctgg gmcctgcca 180  
 gaaaggargc aagggargc cgggcttccg aggacccccg ggtccatacg gacggccggg 240  
 gtacaaggga gagattggct ttcctggacg rmmgggtcgc cccgggatga acggattkaa 300  
 aggwgasaaa ggggagccgs garatgccag ccttggtatt ggmatgaggg gaat 354

<210> 19163  
 <211> 200  
 <212> DNA  
 <213> Homo sapiens

<400> 19163  
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 ctaattctgt attttttagaa gaaacagggt ttctccatgt ggcccaggct ggtctcgaac 120  
 tcctgacagc aggtaaatcc gscctcctt ggctcccaa agtgctggga ttacaggcgt 180  
 gagccactgc accccgccta 200

<210> 19164  
 <211> 179  
 <212> DNA  
 <213> Homo sapiens

<400> 19164  
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 gattcttctc cctcagcctc cggagtagct gggattatag acacgtgcc cccagcccag 120  
 ctaatttttg tatttttaag tagagacagg ggtttcacca tgtagctag gctggcccc 179

<210> 19165  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<400> 19165  
 agagaagctc ccagctttga aggtcttgcg gtggtgcgtg gcgggcagga acccacaatt 60  
 ccaaatacaa acggtcggcg cgagaagcgc ttctgggccc aggcgcctgg ctgtagcgac 120  
 tggttgcggg aggcctggact ctggtkrmct gtaagcatca agtgtacctg atttgtgaac 180  
 ctatcttgct tcagttgggt tcctcctaaa tattaggcag aatt 224

<210> 19166  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 19166  
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 atagtttttt caagtgaat actttataag ttgaagccag ctgaggattc ttcgctagct 120  
 gttagactta atgcatactc awtttggtt gtatycacac actggtttca tgttctgtgc 180  
 agttaagtaa tcttaaagaa tggcgtgtct aggcctgggtg cgggtggctca cacctgtaat 240  
 cccagcactt tgggaagcca aggcgggtg 269

<210> 19167



<211> 98  
<212> DNA  
<213> Homo sapiens

<400> 19167  
taattcctaa atatttttaa aaacttaggc tgtttgaggg ctacataata atccacaaaa 60  
tcttctttgc gaaattacat aaaatcaagc cagcaaga 98

<210> 19168  
<211> 128  
<212> DNA  
<213> Homo sapiens

<400> 19168  
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aaaaatgtag aaataatttc caagtattca tgggtggtgtt aaatttatga agaagtaagt 120  
gtggactc 128

<210> 19169  
<211> 157  
<212> DNA  
<213> Homo sapiens

<400> 19169  
aaaggaatca acccgagtgg aatggcatgc aatggaatgg aatggaatgg aatggaacag 60  
aatggtacgg aaaagaatgg aaaggaatca acccgagtgg aatggcatgc aatggaatgg 120  
aatggaatgg gamtgggaaca agaatggkwa cggaaaa 157

<210> 19170  
<211> 118  
<212> DNA  
<213> Homo sapiens

<400> 19170  
caaatttgc atttttcaac cattgtttct ttgaataott ttttaagcccc atactctttc 60  
tcctcttttt cttggttttt gatcatgcaa atgctagacc ttataaaaat agcccat 118

<210> 19171  
<211> 77  
<212> DNA  
<213> Homo sapiens

<400> 19171  
tgaggcaaga ttgtgccatt gcactccagc ctaggcaaca aaagtgagac tccgtctcaa 60  
aaaaaaaaa aaaaaaa 77

<210> 19172  
<211> 242  
<212> DNA  
<213> Homo sapiens

<400> 19172  
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tactgaatct attttaaagc actgtcagga ggattaaatg aggaaaacac ttagaatagt 120

gcctggcact gcgtaaacac tyagttaa at gtdaactgtc atcatcatgt tattgttaca 180  
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 tt 242

<210> 19173  
 <211> 137  
 <212> DNA  
 <213> Homo sapiens

<400> 19173  
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 tgaaccagg aggcagaggt tgcagtgagc tgagaccatg ccattgcact ccagcctgag 120  
 tgacagagtg agactcc 137

<210> 19174  
 <211> 76  
 <212> DNA  
 <213> Homo sapiens

<400> 19174  
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 aaaaaaaaa aaaaaa 76

<210> 19175  
 <211> 248  
 <212> DNA  
 <213> Homo sapiens

<400> 19175  
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 agtgggggtg aggagaagga tacatcttac acatgtgcat gtgtattctg gatgggtatg 120  
 agaatcttga taagattaac ggktcycmar gtttkgyttt wtbgtttwht ttttgavmcg 180  
 gagtttcaact ctgtagacca ggctggagtg cagtggcacg atctcagctg actgcaagct 240  
 ccgccttc 248

<210> 19176  
 <211> 150  
 <212> DNA  
 <213> Homo sapiens

<400> 19176  
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 tgacagagtg agactccgtc tcaaaaaaaaa 150

<210> 19177  
 <211> 150  
 <212> DNA  
 <213> Homo sapiens

<400> 19177  
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 caaggctctg tctcaaaaaa aaaaaaaaaa 150